

5
388.11
H3 ena
1970

STATE DOCUMENTS

1970 ESTIMATE OF THE COST OF
COMPLETING THE NATIONAL SYSTEM OF INTERSTATE AND DEFENSE HIGHWAYS
IN THE STATE OF MONTANA

MARCH 1, 1970

PREPARED BY THE MONTANA HIGHWAY DEPARTMENT
IN COOPERATION WITH THE
U. S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
BUREAU OF PUBLIC ROADS
IN ACCORDANCE WITH
SECTION 104(B)(5), TITLE 23, U. S. CODE HIGHWAYS

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Helena, Montana 59601

Montana State Library



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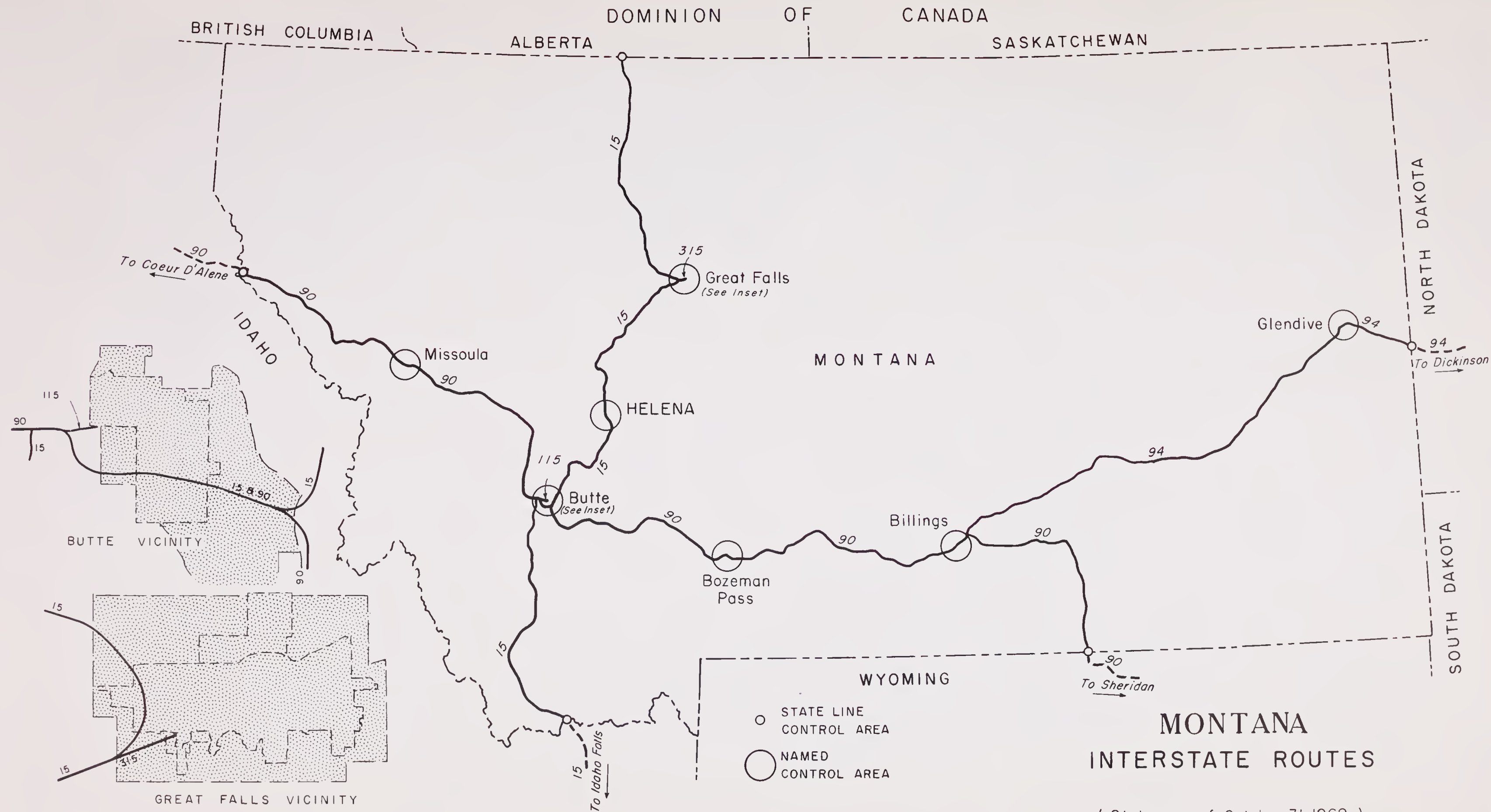
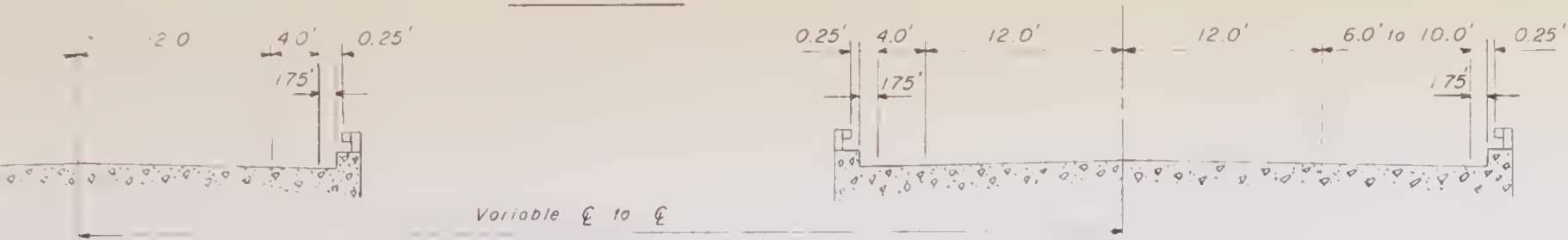


FIGURE 1

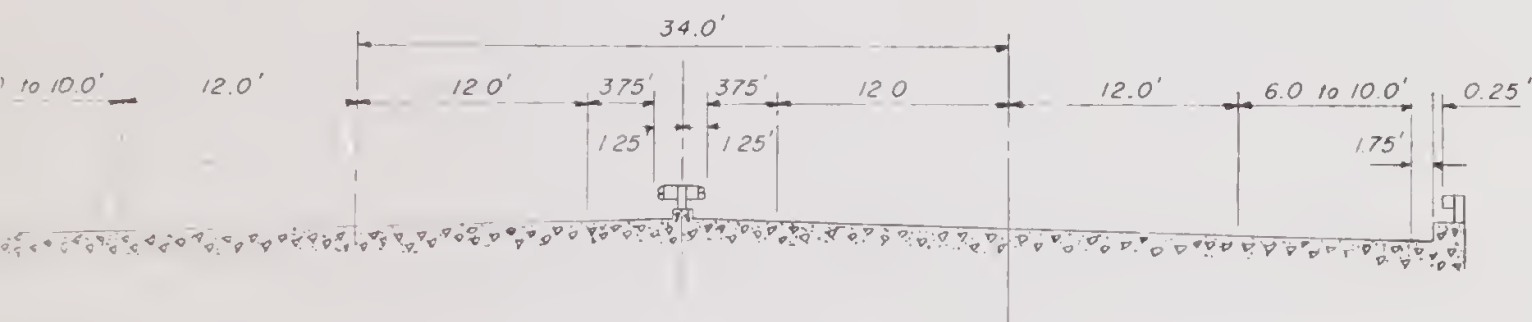
MODIFIED 2 LANE	ROADWAY		TYPICAL SECTION REFERENCE CODE			
			RIGHT SHOULDER	BIT. SURF.	CONC. SURF.	
DEPRESSED MEDIAN			10'	30	31	
			6'	32	33	
4 LANE DIVIDED			10'	40	41	
			6'	42	43	
INDEPENDENT ALLING			10'	50	51	

BRIDGES



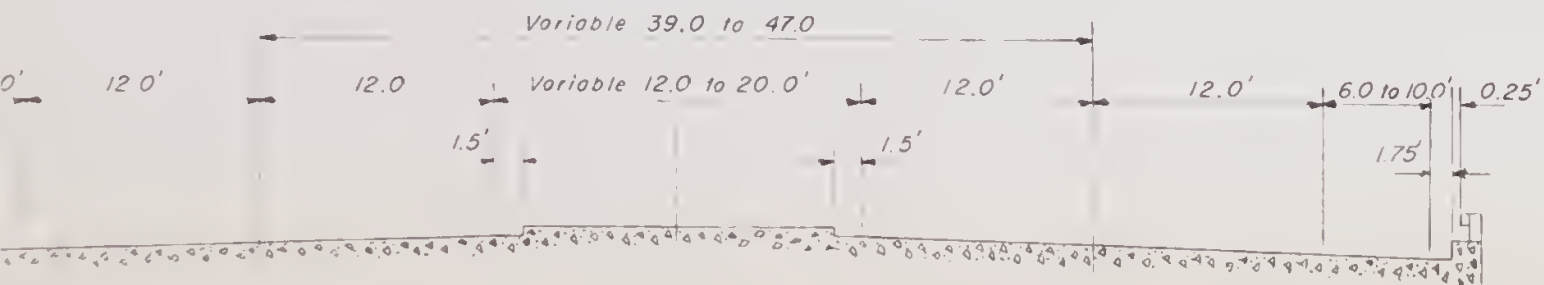
DEPRESSED MEDIAN

CODE
10' shoulder 60
6' shoulder 61



GUARDRAIL MEDIAN

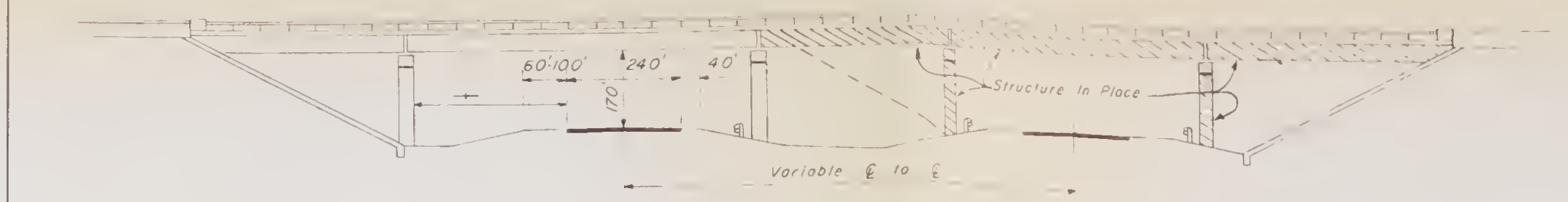
CODE 70



CURBED MEDIAN

CODE 75

UNDERPASSES



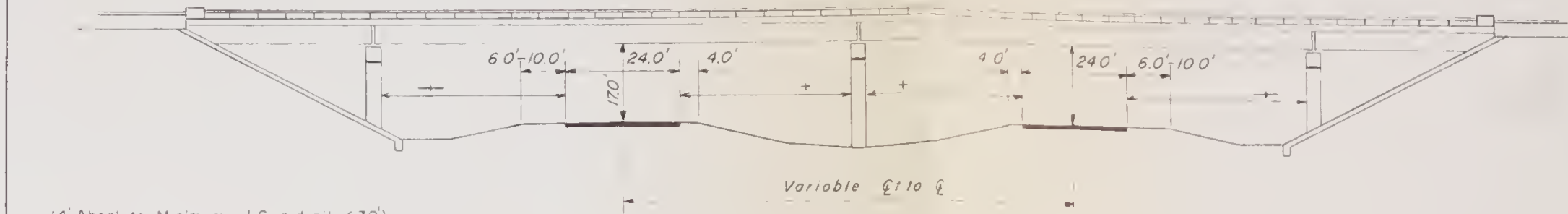
ADDITIONAL TWO LANES

EXISTING TWO LANES

14' Absolute Minimum (Guardrail < 30')
30' Desirable Minimum

GRADE SEPARATION

CODE 80

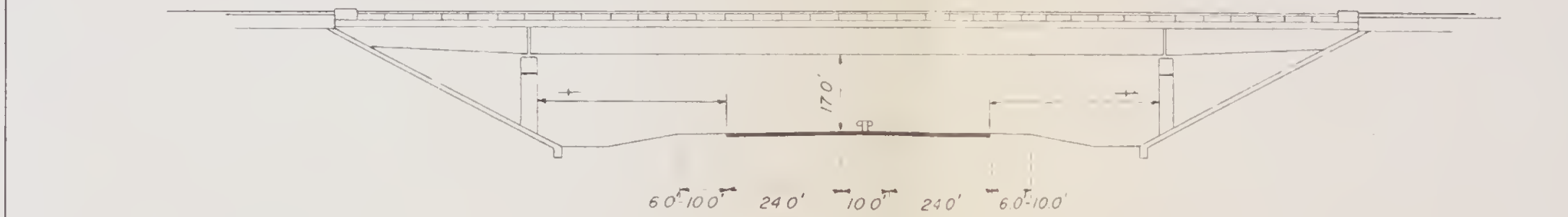


14' Absolute Minimum (Guardrail < 30')
30' Desirable Minimum

+ 5'6" Absolute Minimum
30' Desirable Minimum

GRADE SEPARATION

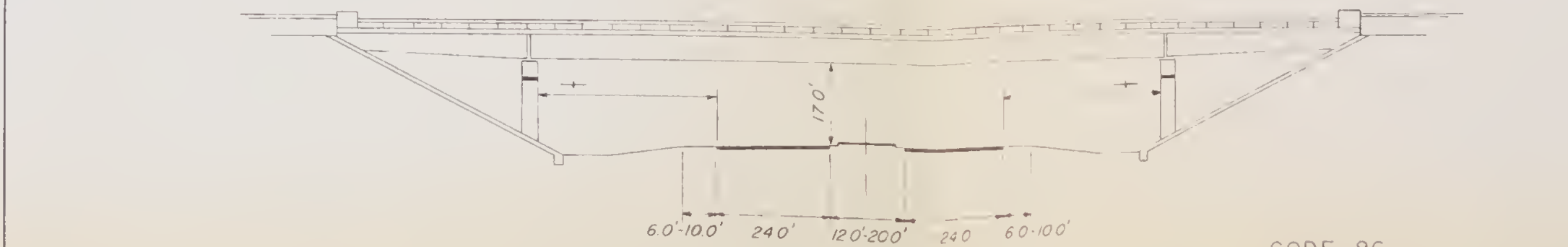
CODE 82



14' Absolute Minimum (Guardrail < 30')
30' Desirable Minimum

GRADE SEPARATION - GUARDRAIL MEDIAN

CODE 84



14' Absolute Minimum (Guardrail < 30')
30' Desirable Minimum

GRADE SEPARATION - CURBED MEDIAN

CODE 86

TABLE A

APPROVED INTERSTATE ROUTE DESCRIPTIONSState MONTANA

Route Number	Route Description	Length, Miles
15	From the Montana-Idaho State line at Monida Pass via Butte, Helena, and Great Falls to the international boundary at Sweetgrass	395.4
90	From the Montana-Idaho State line at Lookout Pass via Missoula to a point on Interstate Route 15 west of Butte, and from another point on Interstate Route 15 east of Butte via Bozeman Pass and Billings to the Montana-Wyoming State line north of Sheridan, Wyoming	542.4
94	From a point on Interstate Route 90 near Billings via Glendive to the Montana-North Dakota State line near Beach, North Dakota	248.6
115	From a point on Interstate Route 15 west of Butte, to Butte	1.2
315	From a point on Interstate Route 15 southwest of Great Falls, to Great Falls	0.6
Total		1188.4

TABLE B - DESIGN CLASSIFICATION BY ESTIMATE SECTIONS

STATE MONTANA

INTERSTATE ROUTE NO. 15

Sheet 1 of 8 Sheets

ITEM	ESTIMATE SECTION													
	G1	G2	G2.1	G3	G4	G5	G6	G7	G8.1	G8.2	G8.2.1	G9	G10	G10.1
	G2	G2.1	G3	G4	G5	G6	G7	G8.1	G8.2	G8.2.1	G9	G10	G10.1	G11.1
	23	22	22	22	23	21	23	23	23	22	22	23	23	23
1. Section Length, miles (0.1)	1.6	6.9	3.5	5.0	5.6	1.9	13.3	7.8	5.3	1.4	2.4	3.0	2.3	4.8
2. Class: Rural or Urban (R or U)	R	R	R	R	R	R	R	R	R	R	R	R	R	R
3. Urban Area identification (name and code)														
4. Location: Existing, new or toll (E, N or T)	N	E	E	E	N	N	N	N	N	E	E	N	N	N
5. Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6. Design speed (V)	60	60	60	70	70	70	70	60	60	70	70	70	70	70
7. Traffic: a. ADT 1967	660	675	675	711	711	711	751	937	990	990	1043	1235	1437	1437
b. ADT 1975	1150	1200	1200	1350	1350	1350	1450	1800	1900	1900	2000	2400	2850	2850
c. ADT 1990	1550	1600	1600	1900	1900	1900	2050	2550	2650	2650	2800	3350	4100	4100
8. Traffic: a. Design year (19)	93	93	93	93	89	89	89	93	94	92	92	92	92	92
b. ADT Design year	1650	1650	1650	2050	1900	1900	1990	2700	2900	2800	2950	3450	4250	4250
c. DHV Design year	210	210	210	260	240	240	250	340	360	350	370	430	530	530
d. D-Directional distribution factors	55	55	55	55	55	55	55	55	55	55	55	55	55	55
e. T Percent trucks design year (DHV)	14	14	14	14	14	14	14	12	12	12	12	12	12	12
f. T Percent trucks design year (ADT)	21	21	21	21	21	21	21	17	17	17	17	17	17	17
g. Assigned Corridor ADT design year														
9. Number of through traffic lanes (Design yr trf)	4	4	4	4	4	4	4	4	4	4	4	4	4	4
10. Mileage without frontage roads	1.6	5.7		2.7				6.1		1.1	0.4		0.5	4.8
11. Mileage with frontage road one side only		1.2	3.5	0.3			12.3	1.7	5.3	0.3	2.0	3.0		
12. Mileage with frontage roads on both sides				2.0	5.6	1.9	1.0						1.8	
13. Typical cross-section reference	20	20	20	20	20	30	30	20	20	30	20	20	30	30
14. Right-of-Way Width: Minimum	300	300	300	300	300	290	270	300	300	300	300	300	300	300
Prevailing	300	300	300	300	300	350	360	300	300	300	300	300	320	320
15. Median Width: Minimum	76	76	46	46	46	76	76	76	46	46	46	46	46	76
Prevailing	76	76	76	46	46	76	76	76	46	46	46	46	76	76

TABLE B - DESIGN CLASSIFICATION BY ESTIMATE SECTIONS

STATE MONTANAINTERSTATE ROUTE NO. 15Sheet 2 of 8 Sheets

ITEM	ESTIMATE SECTION													
	G11.1 G11.2	G11.2 G12	G12 G12.1	G12.1 G13	G13 G14	G14 G15	G15 G16	G16 G16.1	G16.1 G17.0.1	G17.0.1 G17.0.2	G17.0.2 G18.1	G18.1 G18.2	G18.2 G18.3	G18.3 G19
	23	23	23	23	23	23	23	23	23	23	23	23	23	22
1. Section Length, miles (0.1)	10.4	2.8	7.3	1.9	5.5	2.9	5.2	1.7	7.3	2.9	1.5	1.6	1.8	1.0
2. Class: Rural or Urban (R or U)	R	R	R	R	R	R	R	R	R	R	R	R	R	R
3. Urban Area identification (name and code)														
4. Location: Existing, new or toll (E, N or T)	N	N	N	N	N	N	N	N	N	N	N	N	N	E
5. Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6. Design speed (V)	70	70	60	60	60	60	50	60	60	50	70	70	70	70
7. Traffic: a. ADT 1967	704	680	680	680	680	750	750	910	910	945	945	980	980	980
b. ADT 1975	1350	1300	1300	1300	1300	1450	1450	1750	1750	1800	1800	1900	1900	1900
c. ADT 1990	1900	1850	1850	1850	1850	2000	2000	2450	2450	2550	2550	2650	2650	2650
8. Traffic: a. Design year (19)	90	90	90	91	91	91	91	91	91	91	91	91	91	75
b. ADT Design year	1900	1850	1850	1900	1900	2050	2050	2500	2500	2600	2600	2700	2700	1900
c. DHV Design year	240	230	230	240	240	260	260	310	310	330	330	340	340	240
d. D Directional distribution factors	55	55	55	55	55	55	55	55	55	55	55	55	55	55
e. T Percent trucks design year (DHV)	8	8	8	8	8	8	8	8	8	8	8	8	8	8
f. T Percent trucks design year (ADT)	11	11	11	11	11	11	11	12	12	12	12	12	12	12
g. Assigned Corridor ADT design year														
9. Number of through traffic lanes (Design yr trf)	4	4	4	4	4	4	4	4	4	4	4	4	4	4
10. Mileage without frontage roads	10.4		0.9										0.1	1.0
11. Mileage with frontage road one side only		2.8	3.8	1.9	5.5	2.9	4.8	1.7	7.3	2.9	1.5	1.6		
12. Mileage with frontage roads on both sides			2.6				0.4						1.7	
13. Typical cross-section reference	30	30	30	30	30	30	30	30	30	30	30	30	20	30
14. Right-of-Way Width: Minimum	260	290	310	250	250	272	300	360	300	320	300	350	310	270
Prevailing	260	310	360	300	300	290	400	420	400	420	500	500	400	300
15. Median Width: Minimum	76	76	76	76	76	76	76	76	76	76	76	76	36	36
Prevailing	76	76	76	76	76	76	76	76	76	96	200	76	76	36

TABLE B - DESIGN CLASSIFICATION BY ESTIMATE SECTIONS

STATE MONTANA

INTERSTATE ROUTE NO. 15

Sheet 3 of 8 Sheets

ITEM	ESTIMATE SECTION													
	G19 G20.1	G20.1 G20.1.1	G20.1.1 G20.2	G20.2 G20.2.1	G20.2.1 G20.3	G20.3 G20.4	G20.4 G21	G21 G21.1	G21.1 G21.2	G21.2 G22.1	G22.1 G22.2	G22.2 G22.3	G22.3 G22.4	G22.4 G22.5
	22	22	22	23	23	23	23	23	23	23	23	22	22	22
1. Section Length, miles (0.1)	1.5	0.4	2.7	1.8	2.0	0.8	0.6	0.3	3.2	0.1	10.0	6.5	4.5	2.7
2. Class: Rural or Urban (R or U)	R	R	R	R	U*	U*	U*	R	R	R	R	R	R	R
3. Urban Area identification (name and code)					359#	359#	359#							
4. Location: Existing, new or toll (E, N or T)	E	E	E	N	N	N	N	N	N	N	N	E	E	E
5. Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6. Design speed (V)	60	60	60	60	70	70	70	50	50	50	70	50	60	50
7. Traffic: a. ADT 1967	1282	5584	6102	3011	5020	2150	2150	502	502	502	925	887	896	892
b. ADT 1975	2450	12300	13400	6600	11650	5000	5000	1050	1050	1050	2000	1900	1900	1900
c. ADT 1990	3450	17500	19150	9450	17200	7400	7400	1500	1500	1500	2750	2650	2700	2650
8. Traffic: a. Design year (19)	75	88	88	75	75	75	75	92	92	92	91	92	93	93
b. ADT Design year	2450	16800	18350	6600	11650	5000	5000	1550	1550	1550	2800	2750	2850	2850
c. DHV Design year	310	1970	2150	770	1360	590	590	220	220	220	400	390	410	410
d. D Directional distribution factors	55	60	60	60	60	60	60	55	55	55	55	55	55	55
e. T Percent trucks design year (DHV)	8	8	8	8	8	8	8	7	7	7	7	7	7	7
f. T Percent trucks design year (ADT)	12	12	12	12	12	12	12	11	11	11	11	11	11	11
g. Assigned Corridor ADT design year														
9. Number of through traffic lanes (Design yr trf)	4	4	4	4	4	4	4	4	4	4	4	4	4	4
10. Mileage without frontage roads	0.4	0.4	2.7	1.8	2.0	0.8	0.6		2.2			4.1	2.6	
11. Mileage with frontage road one side only	0.3							0.3	1.0	0.1	2.9	2.4	1.9	1.4
12. Mileage with frontage roads on both sides	0.8										7.1			1.3
13. Typical cross-section reference	30	30	30	31	31	31	31	20	20	30	30	40	30	40
14. Right-of-Way Width: Minimum	200	250	200	240	220	210	250	300	300	300	250	300	300	300
Prevailing	280	350	240	400	300	280	350	300	300	300	400	300	300	300
15. Median Width: Minimum	36	72	72	36	36	36	36	46	46	56	10	10	10	10
Prevailing	36	72	72	200	36	36	36	46	86	86	76	76	76	76

Butte
 * Section is comparable to a corresponding
 section in the 1968 Estimate.

TABLE B - DESIGN CLASSIFICATION BY ESTIMATE SECTIONS

STATE MONTANAINTERSTATE ROUTE NO. 15Sheet 4 of 8 Sheets

ITEM	ESTIMATE SECTION													
	G22.5 G22.6	G22.6 G23.1	G23.1 G24	G24 G25.0.1	G25.0.1 G25.0.2	G25.0.2 G26.1	G26.1 G27	G27 G28.1	G28.1 G28.2	G28.2 G28.3	G28.3 G29	G29 G30	G30 G31.1	G31.1 G31.2
	22	22	23	22	23	20	20	22	23	20	23	23	23	22
1. Section Length, miles (0.1)	4.4	1.5	6.8	5.5	5.4	3.6	5.6	1.8	0.8	0.2	1.2	6.1	2.1	7.7
2. Class: Rural or Urban (R or U)	R	R	R	R	R	R	R	R	U*	U*	U*	R	R	R
3. Urban Area identification (name and code)									361#	361#	361#			
4. Location: Existing, new or toll (E, N or T)	E	E	N	E	N	E	N	E	N	N	N	N	N	E
5. Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6. Design speed (V)	50	70	60	50	70	70	70	70	70	70	60	70	70	50
7. Traffic: a. ADT 1967	960	960	1098	1098	1098	1205	1742	1742	2049	2049	2049	1625	1586	1586
b. ADT 1975	2050	2050	2350	2350	2350	2600	3750	3750	4400	4400	4400	3500	3400	3400
c. ADT 1990	2750	2750	3300	3300	3300	3600	5200	5200	6150	6150	6150	4850	4750	4750
8. Traffic: a. Design year (19)	92	92	92	92	89	87	87	75	75	75	75	75	75	75
b. ADT Design year	3000	3000	3400	3400	3250	3400	4900	3750	4400	4400	4400	3500	3400	3400
c. DHV Design year	430	430	490	490	470	480	700	540	630	630	630	500	480	480
d. D Directional distribution factors	55	55	55	55	55	55	55	55	55	55	55	55	55	55
e. T Percent trucks design year (DHV)	7	7	7	7	7	7	7	7	7	7	7	7	8	8
f. T Percent trucks design year (ADT)	11	11	11	11	11	11	11	11	11	11	11	11	11	11
g. Assigned Corridor ADT design year														
9. Number of through traffic lanes (Design yr trf)	4	4	4	4	4	4	4	4	4	4	4	4	4	4
10. Mileage without frontage roads	2.9	1.5	2.4	0.5			0.5	0.8	0.8	0.2	1.2	1.0		5.4
11. Mileage with frontage road one side only	1.5		3.3	5.0	3.0	1.6	5.1	1.0				5.1	0.4	2.3
12. Mileage with frontage roads on both sides			1.1		2.4	2.0							1.7	
13. Typical cross-section reference	40	30	30	30	30	30	30	30	30	30	30	30	30	40
14. Right-of-Way Width: Minimum	300	300	300	375	270	250	250	270	240	230	220	250	200	240
Prevailing	300	300	410	450	310	320	320	300	270	250	250	300	250	290
15. Median Width: Minimum	10	76	76	46	36	46	36	46	46	46	46	46	46	8
Prevailing	76	150	76	76	46	46	46	46	46	46	46	46	46	46

Helena

* Section is comparable to a corresponding section in the 1968 Estimate.

TABLE B - DESIGN CLASSIFICATION BY ESTIMATE SECTIONS

STATE MONTANA

INTERSTATE ROUTE NO. 15

Sheet 5 of 8 Sheets

ITEM	ESTIMATE SECTION													
	G31.2 G32	G32 H1	H1 H2.0.1	H2.0.1 H2.0.2	H2.0.2 H3	H3 H4.0.1	H4.0.1 H4.0.2	H4.0.2 H5	H5 H6	H6 H7.1	H7.1 H7.2	H7.2 H8	H8 H9.1	H9.1 H9.2
	22	22	23	23	23	23	20	21	23	23	23	23	23	23
1. Section Length, miles (0.1)	6.1	2.3	8.2	2.7	3.7	3.5	2.6	1.0	3.3	3.2	1.4	2.5	5.7	1.5
2. Class: Rural or Urban (R or U)	R	R	R	R	R	R	R	R	R	R	R	R	R	R
3. Urban Area identification (name and code)														
4. Location: Existing, new or toll (E, N or T)	E	E	N	N	N	N	E	N	N	N	N	N	N	N
5. Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6. Design speed (V)	70	50	50	50	50	50	50	50	50	50	50	60	60	70
7. Traffic: a. ADT 1967	1431	1431	1400	1421	1151	1162	1162	1162	1162	1281	1358	1435	1435	1755
b. ADT 1975	3050	3050	3000	3050	2450	2500	2500	2500	2500	2750	2900	3050	3050	3850
c. ADT 1990	4300	4300	4200	4250	3450	3450	3450	3450	3450	3850	4050	4300	4300	5500
8. Traffic: a. Design year (19)	93	75	75	75	85	85	87	89	89	86	86	93	93	93
b. ADT Design year	4550	3050	3000	3050	3100	3150	3300	3400	3400	3550	3750	4550	4550	5850
c. DHV Design year	650	430	430	440	440	450	470	490	490	500	540	650	650	840
d. D Directional distribution factors	55	55	55	55	55	55	55	55	55	55	55	55	55	55
e. T Percent trucks design year (DHV)	8	8	8	8	11	11	11	11	11	11	11	11	11	9
f. T Percent trucks design year (ADT)	11	11	11	11	16	16	16	16	16	16	16	16	16	13
g. Assigned Corridor ADT design year														
9. Number of through traffic lanes (Design yr trf)	4	4	4	4	4	4	4	4	4	4	4	4	4	4
10. Mileage without frontage roads	5.4	0.4	0.9	1.6		1.0						0.6	0.5	
11. Mileage with frontage road one side only	0.7	1.9	7.1	0.6	3.7	2.5	2.6	1.0	3.3	3.2	1.4	1.9	2.0	0.3
12. Mileage with frontage roads on both sides			0.2	0.5									3.2	1.2
13. Typical cross-section reference	20	30	42	42	40	40	40	40	30	40	42	20	20	20
14. Right-of-Way Width: Minimum	290	230	250	200	200	225	225	250	205	250	250	280	280	300
Prevailing	310	500	300	320	310	320	320	380	300	340	320	400	360	360
15. Median Width: Minimum	46	8	8	8	8	8	8	8	8	8	8	10	46	76
Prevailing	76	46	8	8	8	46	8	46	46	8	8	46	76	76

TABLE B - DESIGN CLASSIFICATION BY ESTIMATE SECTIONS

STATE MONTANA

INTERSTATE ROUTE NO. 15

Sheet 6 of 8 Sheets

ITEM	ESTIMATE SECTION													
	H9.2 H10	H10 H11.0.1	H11.0.1 H11.0.2	H11.0.2 H12	H12 H13	H13 H14	H14 H15	H15 H16	H16 H17	H17 H18	H18 H18.1	H18.1 H19	H19 H20.0.1	H20.0.1 H21.1
	23	20	21	23	23	23	23	23	23	23	23	23	23	23
1. Section Length, miles (0.1)	4.6	2.4	5.4	0.3	2.3	4.7	0.8	1.2	1.2	1.0	0.8	1.3	7.0	10.1
2. Class: Rural or Urban (R or U)	R	R	R	R	R	R	R	U*	U*	U*	R	R	R	R
3. Urban Area identification (name and code)								357#	357#	357#				
4. Location: Existing, new or toll (E, N or T)	N	N	N	N	N	N	N	N	N	N	N	N	N	N
5. Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6. Design speed (V)	70	50	70	70	60	70	50	60	70	70	70	70	60	50
7. Traffic: a. ADT 1967	1755	1755	2005	2005	2005	2005	5185	5185	3278	3238	4204	4204	4204	1682
h. ADT 1975	3850	3850	4400	4400	4400	4400	12050	12050	7600	7100	9250	9250	9250	3250
c. ADT 1990	5500	5500	6300	6300	6300	6300	17800	17800	11200	10150	13200	13200	13200	4550
8. Traffic: a. Design year (19)	93	75	89	89	88	88	84	84	84	84	84	75	75	91
b. ADT Design year	5850	3850	6200	6200	6050	6050	15450	15450	9800	8950	11600	9250	9250	4650
c. DHV Design year	840	550	890	890	870	870	2210	2210	1090	1000	1290	1030	1030	660
d. D Directional distribution factors	55	55	55	55	55	55	55	55	60	55	55	55	55	55
e. T Percent trucks design year (DHV)	9	9	9	9	9	9	9	9	9	9	9	9	9	10
f. T Percent trucks design year (ADT)	13	13	13	13	13	13	13	13	13	13	13	13	13	15
g. Assigned Corridor ADT design year														
9. Number of through traffic lanes (Design yr trf)	4	4	4	4	4	4	4	4	4	4	4	4	4	4
10. Mileage without frontage roads								1.2						
11. Mileage with frontage road one side only	3.6	2.4		0.3	2.3	0.5	0.8		0.3		0.8	1.3	6.3	8.6
12. Mileage with frontage roads on both sides	1.0		5.4			4.2			0.9	1.0			0.7	1.5
13. Typical cross-section reference	20	30	30	30	30	30	31	31	31	31	31	30	30	30
14. Right-of-Way Width: Minimum	300	300	300	300	300	250	300	215	280	220	270	270	270	330
Prevailing	320	300	320	340	340	320	360	250	350	280	340	280	300	380
15. Median Width: Minimum	76	76	76	76	76	76	46	46	46	46	46	46	46	46
Prevailing	76	76	76	76	76	76	46	46	46	46	46	46	46	76

Great Falls

* Section is comparable to a corresponding section in the 1968 Estimate.

TABLE B - DESIGN CLASSIFICATION BY ESTIMATE SECTIONS

STATE MONTANA

INTERSTATE ROUTE NO. 15

Sheet 7 of 8 Sheets

ITEM	ESTIMATE SECTION													
	H21.1	H21.2	H2.2	H23.1	H24	H25.0.1	H25.0.2	I1.0.1	I2	I3	I4	I5	I6.1	I6.2
	H21.2	H2.2	H23.1	H24	H25.0.1	H25.0.2	I1.0.1	I2	I3	I4	I5	I6.1	I6.2	I7
	23	23	23	23	23	23	23	23	23	23	22	22	22	22
1. Section Length, miles (0.1)	7.0	6.8	7.0	1.0	2.8	7.7	9.0	11.1	1.3	4.1	2.9	3.0	2.6	12.0
2. Class: Rural or Urban (R or U)	R	R	R	R	R	R	R	R	R	R	R	R	R	R
3. Urban Area identification (name and code)														
4. Location: Existing, new or toll (E, N or T)	N	N	N	N	N	N	N	N	N	N	E	E	E	E
5. Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6. Design speed (V)	70	70	60	70	70	70	70	70	70	50	70	60	70	70
7. Traffic: a. ADT 1967	1617	1580	1521	1500	1500	1700	1800	1800	1323	1323	1333	1333	1120	1120
b. ADT 1975	3100	3050	2950	2900	2900	3300	3450	3450	2550	2550	2550	2550	2150	2150
c. ADT 1990	4350	4250	4100	4050	4050	4600	4850	4850	3550	3550	3600	3600	3000	3000
8. Traffic: a. Design year (19)	91	92	92	93	93	93	90	90	90	90	90	75	91	91
b. ADT Design year	4450	4450	4250	4300	4300	4700	4950	4950	3550	3550	3600	2550	3100	3100
c. DHV Design year	640	640	610	610	610	670	710	710	510	510	500	360	440	440
d. D Directional distribution factors	55	55	55	55	55	55	55	55	55	55	55	55	55	55
e. T Percent trucks design year (DHV)	10	10	10	10	10	10	10	10	10	10	10	10	13	13
f. T Percent trucks design year (ADT)	15	15	15	15	15	15	14	14	16	16	16	16	19	19
g. Assigned Corridor ADT design year														
9. Number of through traffic lanes (Design yr trf)	4	4	4	4	4	4	4	4	4	4	4	4	4	4
10. Mileage without frontage roads			0.5									1.3	1.0	
11. Mileage with frontage road one side only	2.2	1.4	2.6	1.0	1.3	7.7	3.0			3.6	1.0	0.9		3.5
12. Mileage with frontage roads on both sides	4.8	5.4	3.9		1.5		6.0	11.1	1.3	0.5	1.9	0.8	1.6	8.5
13. Typical cross-section reference	30	30	30	20	20	20	30	30	30	30	30	30	20	20
14. Right-of-Way Width: Minimum	330	400	400	320	380	300	250	300	410	410	410	300	250	250
Prevaling	460	450	460	400	440	340	300	300	450	480	460	320	250	250
15. Median Width: Minimum	76	76	76	76	76	76	76	76	76	36	76	56	56	46
Prevaling	76	76	100	76	76	76	76	76	76	76	76	56	56	46

TABLE B - DESIGN CLASSIFICATION BY ESTIMATE SECTIONS

STATE MONTANA

INTERSTATE ROUTE NO. 15

Sheet 8 of 8 Sheets

ITEM	ESTIMATE SECTION										SUBTOTAL			
	I7	I8.1	I8.2	I9	I10							RURAL	URBAN	TOTAL FOR ROUTE
	I8.1	I8.2	I9	I10	I11									
	22	22	22	22	22									
1. Section Length, miles (0.1)	9.2	4.2	3.3	0.9	0.3							386.4	9.0	395.4
2. Class: Rural or Urban (R or U)	R	R	R	R	R									
3. Urban Area identification (name and code)														
4. Location: Existing, new or toll (E, N or T)	E	E	E	E	E									
5. Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1									
6. Design speed (V)	70	70	70	70	70									
7. Traffic: a. ADT 1967	845	845	614	591	533									
b. ADT 1975	1650	1650	1200	1150	1050									
c. ADT 1990	2300	2300	1650	1600	1450									
8. Traffic: a. Design year (19)	89	93	93	75	75									
b. ADT Design year	2250	2400	1750	1150	1050									
c. DHV Design year	320	340	250	160	150									
d. D Directional distribution factors	55	55	55	55	55									
e. T Percent trucks design year (DHV)	13	13	13	13	13									
f. T Percent trucks design year (ADT)	19	19	19	19	19									
g. Assigned Corridor ADT design year														
9. Number of through traffic lanes (Design yr trf)	4	4	4	4	4									
10. Mileage without frontage roads		0.4	2.8	0.9								81.8	6.8	88.6
11. Mileage with frontage road one side only	3.9	3.8	0.5		0.3							202.5	0.3	201.0
12. Mileage with frontage roads on both sides	5.3											102.1	1.9	105.8
13. Typical cross-section reference	30	20	20	30	30									
14. Right-of-Way Width: Minimum	325	300	270	240	270									
Prevailing	410	330	310	260	280									
15. Median Width: Minimum	46	46	46	50	50									
Prevailing	46	46	46	50	50									

Signature: *James H. Sullivan* State Highway Engineer March 1, 1970

State: Montana Name Title Date

H. M. Stewart Division Engineer March 1, 1970

BPR: Name Title Date

TABLE C - COST ESTIMATE BY ESTIMATE SECTIONS WITH ROUTE TOTALS

STATE MONTANAINTERSTATE ROUTE NO. 15
Sheet 1 of 8 Sheets

ITEM	ESTIMATE SECTION & FINANCE CODE													
	G1 G2	G2 G2.1	G2.1 G3	G3 G4	G4 G5	G5 G6	G6 G7	G7 G8.1	G8.1 G8.2	G8.2 G8.2.1	G8.2.1 G9.1	G9 G10	G10 G10.1	G10.1 G11.1
Section Length, miles (0.1)	23	22	22	22	23	21	21	23	23	22	22	23	23	23
Class: Rural or Urban (R or U)	1.6	6.9	3.5	5.0	5.6	1.9	13.3	7.8	5.3	1.4	2.4	3.0	2.3	4.8
Urban Area identification (name and code)	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Location: Existing, new or toll (E, N or T)	N	E	E	E	N	N	N	N	N	E	E	N	N	N
Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
No. Lanes to be constructed this estimate	2	2	2	2	2	0	0	2	2	4	2	2	4	4
No. Lanes to be improved this estimate	0	0	0	0	0	0	0	0	0	0	0	0	0	0
No. through traffic lanes	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Status of improvement October 31, 1969	2a(2)f	2a(2)f	2a(2)f	2a(2)f	2a(2)f	3a(2)	3a(2)	2a(2)f	2a(2)f	3a(1)s	2a(2)f	2a(2)f	4a(1)	4a(1)
WORK CLASSIFICATION														
1. Preliminary Engineering	2	8	4	6	5			50	60	11	21	22		
2. Right-of-Way														
a. Right-of-Way and acquisition	6	17		7	5			5	5	9	5	2		
b. Relocation payments														
3. Clear & grub; demolition														
4. Utility adjustments	6	48		11	8			8	25		3			
5. Grade & drain; minor structures	87	393	220	556	267			575	543	172	172	247	483	1150
6. Subbase; base; surfacing; shoulders	93	404	208	290	437			466	446	81	139	211	277	582
7. R.R. grade separations	174			238										81
8. Highway grade separations without ramps			25		50			50	48					253
9. Interchanges	113			113				105	58	174		116	327	881
10. Other bridges; tunnels								181	341		348		162	331
11. Walls														
12. Traffic control and safety improvements														
a. Guardrail; fencing; lighting; traffic control devices	31	54	29	34	14			70	66	38	44	18	22	254
b. Motorist service signs														
c. Safety improvements on completed sections	3	3	3	3	9			39	26		7	7		
13. Roadside improvement														
a. Erosion Control	7	31	16	23	25			35	24	11	11	14	17	36
b. Landscaping														
c. Rest Areas											104			
d. Scenic overlooks														
14. All other items		50		114	25				50	558				99
15. Subtotal, lines 3 to 14	514	983	501	1382	835			1529	1627	1034	828	613	1288	3667
16. Construction Engineering & Contingencies, 10% of Line 15	51	98	50	138	84			153	163	103	83	61	129	367
17. Total Cost of Construction, Lines 15 & 16	565	1081	551	1520	919			1682	1790	1137	911	674	1417	4034
18. Total Estimate Cost, line 1, 2 & 17	573	1106	555	1533	929			1737	1855	1157	937	698	1417	4034

TABLE C - COST ESTIMATE BY ESTIMATE SECTIONS WITH ROUTE TOTALS

STATE MONTANAINTERSTATE ROUTE NO. 15
Sheet 2 of 8 Sheets

ITEM	ESTIMATE SECTION & FINANCE CODE													
	G11.1 G11.2	G11.2 G12	G12 G12.1	G12.1 G13	G13 G14	G14 G15	G15 G16	G16 G16.1	G16.1 G17.0.1	G17.0.1 G17.0.2	G17.0.2 G18.1	G18.1 G18.2	G18.2 G18.3	G18.3 G19
	23	23	23	23	23	23	23	23	23	23	23	23	23	22
Section Length, miles (0.1)	10.4	2.8	7.3	1.9	5.5	2.9	5.2	1.7	7.3	2.9	1.5	1.6	1.8	1.0
Class: Rural or Urban (R or U)	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Urban Area identification (name and code)														
Location: Existing, new or toll (E, N or T)	N	N	N	N	N	N	N	N	N	N	N	N	N	E
Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
No. Lanes to be constructed this estimate	4	4	4	4	4	4	4	4	4	4	4	4	2	0
No. Lanes to be improved this estimate	0	0	0	0	0	0	0	0	0	0	0	0	0	0
No. through traffic lanes	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Status of improvement October 31, 1969	4a(1)	4a(1)	4a(1)	4a(1)	4a(1)	4a(1)	4a(3)	4a(3)	4a(1)	4a(1)	4a(1)	4a(1)	2a(2)f	1a(1)f
WORK CLASSIFICATION														
1. Preliminary Engineering	5	1	4			10	19	6	26	9	5	5	6	4
2. Right-of-Way														
a. Right-of-Way and acquisition				12	59	62	33	13	79	96	41	28	9	
b. Relocation payments														
3. Clear & grub; demolition				45										
4. Utility adjustments				9	45	7	11	2	55	22	10	7	11	
5. Grade & drain; minor structures	1231	304	1995	952	922	363	1388	445	1743	480	269	236	159	
6. Subbase; base; surfacing; shoulders	1219	329	905	223	638	336	607	199	856	370	174	207	118	
7. R.R. grade separations				599										
8. Highway grade separations without ramps	226		110		89	96	89		89					
9. Interchanges	264		336		281			304		327		238		
10. Other bridges; tunnels	43		811											
11. Walls														
12. Traffic control and safety improvements														
a. Guardrail; fencing; lighting; traffic control devices	96	38	141	46	70	27	102	24	121	35	33	23	16	
b. Motorist service signs														
c. Safety improvements on completed sections													5	8
13. Roadside improvement														
a. Erosion Control	78	21	55	14	41	22	39	13	55	22	11	12	8	
b. Landscaping														
c. Rest Areas									175					
d. Scenic overlooks														
14. All other items						50		50	99	64				
15. Subtotal, lines 3 to 14	3157	692	4353	1888	2086	901	2236	1037	3193	1320	497	723	317	8
16. Construction Engineering & Contingencies, 10% of Line 15	316	69	435	189	209	90	224	104	319	132	50	72	32	1
17. Total Cost of Construction, Lines 15 & 16	3473	761	4788	2077	2295	991	2460	1141	3512	1452	547	795	349	9
18. Total Estimate Cost, line 1, 2 & 17	3478	762	4792	2089	2354	1063	2512	1160	3617	1557	593	828	364	13

TABLE C - COST ESTIMATE BY ESTIMATE SECTIONS WITH ROUTE TOTALS

STATE MONTANAINTERSTATE ROUTE NO. 15
Sheet 3 of 8 Sheets

ITEM	ESTIMATE SECTION & FINANCE CODE													
	G19	G20.1	G20.1.1	G20.2	G20.2.1	G20.3	G20.4	G21	G21.1	G21.2	G22.1	G22.2	G22.3	G22.4
	G20.1	G20.1.1	G20.2	G20.2.1	G20.3	G20.4	G21	G21.1	G21.2	G22.1	G22.2	G22.3	G22.4	G22.5
	22	22	22	23	23	23	23	23	23	23	23	22	22	22
Section Length, miles (0.1)	1.5	0.4	2.7	1.8	2.0	0.8	0.6	0.3	3.2	0.1	10.0	6.5	4.5	2.7
Class: Rural or Urban (R or U)	R	R	R	R	U	U	U	R	R	R	R	R	R	R
Urban Area identification (name and code)					359#	359#	359#							
Location: Existing, new or toll (E, N or T)	E	E	E	N	N	N	N	N	N	N	N	E	E	E
Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
No. Lanes to be constructed this estimate	0	0	0	0	0	0	0	2	2	4	4	4	4	4
No. Lanes to be improved this estimate	0	0	0	0	0	0	0	0	0	0	0	0	0	0
No. through traffic lanes	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Status of improvement October 31, 1969	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	2a(2)f	2a(2)f	4a(1)	4a(1)	4a(3)	4a(3)	4a(3)
WORK CLASSIFICATION														
1. Preliminary Engineering	1	2	1	3	18	4	4							10
2. Right-of-Way														
a. Right-of-Way and acquisition								12	83	1		138	30	303
b. Relocation payments									11					
3. Clear & grub; demolition												274	169	84
4. Utility adjustments								4	24	1		16	15	15
5. Grade & drain; minor structures								14	977	36	1734	5463	1129	1066
6. Subbase; base; surfacing; shoulders								36	182	16	1640	720	567	309
7. R.R. grade separations								98					333	3267
8. Highway grade separations without ramps											89			
9. Interchanges											580		343	296
10. Other bridges; tunnels											54			36
11. Walls														
12. Traffic control and safety improvements														
a. Guardrail; fencing; lighting; traffic control devices								13	41	1	104	387	52	192
b. Motorist service signs														
c. Safety improvements on completed sections	16	33	12	56	46	7	66	12	59					
13. Roadside improvement														
a. Erosion Control								3	14	1	75	49	34	20
b. Landscaping					272	61								
c. Rest Areas												175		
d. Scenic overlooks									25					
14. All other items									50				40	144
15. Subtotal, lines 3 to 14	16	33	12	56	318	68	66	180	1372	55	4276	7084	2682	5429
16. Construction Engineering & Contingencies, 10% of Line 15	2	3	1	6	32	7	7	18	137	6	428	708	268	543
17. Total Cost of Construction, Lines 15 & 16	18	36	13	62	350	75	73	198	1509	61	4704	7792	2950	5972
18. Total Estimate Cost, line 1, 2 & 17	19	38	14	65	368	79	77	210	1603	62	4704	7930	2980	6285

Butte

TABLE C - COST ESTIMATE BY ESTIMATE SECTIONS WITH ROUTE TOTALS

STATE MONTANAINTERSTATE ROUTE NO. 15
Sheet 4 of 8 Sheets

ITEM	ESTIMATE SECTION & FINANCE CODE													
	G22.5 G22.6	G22.6 G23.1	G23.1 G24	G24 G25.0.1	G25.0.1 G25.0.2	G25.0.2 G26.1	G26.1 G27	G27 G28.1	G28.1 G28.2	G28.2 G28.3	G28.3 G29	G29 G30	G30 G31.1	G31.1 G31.2
	22	22	23	22	23	20	20	22	23	20	23	23	23	22
Section Length, miles (0.1)	4.4	1.5	6.8	5.5	5.4	3.6	5.6	1.8	0.8	0.2	1.2	6.1	2.1	7.7
Class: Rural or Urban (R or U)	R	R	R	R	R	R	R	R	U	U	U	R	R	R
Urban Area identification (name and code)									361#	361#	361#			
Location: Existing, new or toll (E, N or T)	E	E	N	E	N	E	N	E	N	N	N	N	N	E
Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
No. Lanes to be constructed this estimate	4	4	4	4	0	0	0	0	0	0	0	0	0	0
No. Lanes to be improved this estimate	0	0	0	0	0	0	0	0	0	0	0	0	0	0
No. through traffic lanes	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Status of improvement October 31, 1969	4a(1)	4a(1)	4a(1)	4a(1)	3a(2)	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f
WORK CLASSIFICATION														
1. Preliminary Engineering									2		2	2	5	22
2. Right-of-Way														
a. Right-of-Way and acquisition	88	36												
b. Relocation payments														
3. Clear & grub; demolition	186	63		232										
4. Utility adjustments	15	15												
5. Grade & drain; minor structures	2732	567	1693	4313										28
6. Subbase; base; surfacing; shoulders	483	174	830	699										17
7. R.R. grade separations	220													
8. Highway grade separations without ramps			191	89										
9. Interchanges	264		475											
10. Other bridges; tunnels	1434	149	109											
11. Walls														
12. Traffic control and safety improvements														
a. Guardrail; fencing; lighting; traffic control devices	245	76	121	296	5			7						
b. Motorist service signs														
c. Safety improvements on completed sections									33		34	28	4	169
13. Roadside improvement														
a. Erosion Control	33	11	51	41										
b. Landscaping														
c. Rest Areas														
d. Scenic overlooks														
14. All other items				65									89	
15. Subtotal, lines 3 to 14	5612	1055	3470	5735	5			7	33		34	28	93	214
16. Construction Engineering & Contingencies, 10% of Line 15	561	106	347	574	1			1	3		3	3	9	21
17. Total Cost of Construction, Lines 15 & 16	6173	1161	3817	6309	6			8	36		37	31	102	235
18. Total Estimate Cost, line 1, 2 & 17	6261	1197	3817	6309	6			8	38		39	33	107	257

Helena

TABLE C - COST ESTIMATE BY ESTIMATE SECTIONS WITH ROUTE TOTALS

STATE MONTANAINTERSTATE ROUTE NO. 15
Sheet 5 of 8 Sheets

ITEM	ESTIMATE SECTION & FINANCE CODE													
	G31.2 G32	G32 H1	H1 H2.0.1	H2.0.1 H2.0.2	H2.0.2 H3	H3 H4.0.1	H4.0.1 H4.0.2	H4.0.2 H5	H5 H6	H6 H7.1	H7.1 H7.2	H7.2 H8	H8 H9.1	H9.1 H9.2
	22	22	23	23	23	23	20	21	23	23	23	23	23	23
Section Length, miles (0.1)	6.1	2.3	8.2	2.7	3.7	3.5	2.6	1.0	3.3	3.2	1.4	2.5	5.7	1.5
Class: Rural or Urban (R or U)	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Urban Area identification (name and code)														
Location: Existing, new or toll (E, N or T)	E	E	N	N	N	N	E	N	N	N	N	N	N	N
Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
No. Lanes to be constructed this estimate	2	0	0	0	0	0	0	0	0	0	0	2	2	2
No. Lanes to be improved this estimate	0	0	0	0	0	0	0	0	0	0	0	0	0	0
No. through traffic lanes	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Status of improvement October 31, 1969	2a(2)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	3a(1)	3a(1)	1a(1)f	1a(1)f	2a(2)f	2a(2)f	2a(2)f
WORK CLASSIFICATION														
1. Preliminary Engineering	5	3	11	6	43					5	4			
2. Right-of-Way														
a. Right-of-Way and acquisition	4											2	4	2
b. Relocation payments														
3. Clear & grub; demolition														
4. Utility adjustments	3											8	16	8
5. Grade & drain; minor structures	319											535	818	219
6. Subbase; base; surfacing; shoulders	354											170	484	150
7. R.R. grade separations														
8. Highway grade separations without ramps													38	
9. Interchanges												172	100	93
10. Other bridges; tunnels														
11. Walls														
12. Traffic control and safety improvements														
a. Guardrail; fencing; lighting; traffic control devices	49											37	51	9
b. Motorist service signs														
c. Safety improvements on completed sections	11	57	201	101	78	85			9	81	69	19	20	19
13. Roadside improvement														
a. Erosion Control	28											11	26	7
b. Landscaping														
c. Rest Areas												175		
d. Scenic overlooks														
14. All other items	25				515									
15. Subtotal, lines 3 to 14	789	57	201	101	593	85			9	81	69	1127	1553	505
16. Construction Engineering & Contingencies, 10% of Line 15	79	6	20	10	59	9			1	8	7	113	155	51
17. Total Cost of Construction, Lines 15 & 16	868	63	221	111	652	94			10	89	76	1240	1708	556
18. Total Estimate Cost, line 1, 2 & 17	877	66	232	117	695	94			10	94	80	1242	1712	558

TABLE C - COST ESTIMATE BY ESTIMATE SECTIONS WITH ROUTE TOTALS

STATE MONTANAINTERSTATE ROUTE NO. 15
Sheet 6 of 8 Sheets

ITEM	ESTIMATE SECTION & FINANCE CODE													
	H9.2 H10	H10 H11.0.1	H11.0.1 H11.0.2	H11.0.2 H12	H12 H13	H13 H14	H14 H15	H15 H16	H16 H17	H17 H18	H18 H18.1	H18.1 H19	H19 H20.0.1	H20.0.1 H21.1
	23	20	21	23	23	23	23	23	23	23	23	23	23	23
Section Length, miles (0.1)	4.6	2.4	5.4	0.3	2.3	4.7	0.8	1.2	1.2	1.0	0.8	1.3	7.0	10.1
Class: Rural or Urban (R or U)	R	R	R	R	R	R	R	U	U	U	R	R	R	R
Urban Area identification (name and code)								357#	357#	357#				
Location: Existing, new or toll (E, N or T)	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
No. Lanes to be constructed this estimate	2	0	2	0	0	0	0	0	0	0	0	0	0	4
No. Lanes to be improved this estimate	0	0	0	0	0	0	0	0	0	0	0	4	4	0
No. through traffic lanes	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Status of improvement October 31, 1969	2a(2)f	1a(1)f	2a(1)f	2a(1)f	3a(1)	3a(1)	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	4a(1)
WORK CLASSIFICATION														
1. Preliminary Engineering							2	3	2		2	5	28	
2. Right-of-Way														
a. Right-of-Way and acquisition	3													
b. Relocation payments														
3. Clear & grub; demolition														
4. Utility adjustments	13													
5. Grade & drain; minor structures	222												19	2215
6. Subbase; base; surfacing; shoulders	429											66*	386*	1715
7. R.R. grade separations														
8. Highway grade separations without ramps	103													263
9. Interchanges														397
10. Other bridges; tunnels														
11. Walls														
12. Traffic control and safety improvements														
a. Guardrail; fencing; lighting; traffic control devices	24													111
b. Motorist service signs														
c. Safety improvements on completed sections				1	5	7	23	45	36	5	36	14	87	
13. Roadside improvement														
a. Erosion Control	20						19							76
b. Landscaping														
c. Rest Areas														
d. Scenic overlooks														
14. All other items														
15. Subtotal, lines 3 to 14	811			1	5	7	42	45	36	5	36	80	492	4777
16. Construction Engineering & Contingencies, 10% of Line 15	81				1	1	4	5	4	1	4	8	49	478
17. Total Cost of Construction, Lines 15 & 16	892			1	6	8	46	50	40	6	40	88	541	5255
18. Total Estimate Cost, line 1, 2 & 17	895			1	6	8	48	53	42	6	42	93	569	5255

Great Falls

* Cost includes 8.3 mi pavement overlay

TABLE C - COST ESTIMATE BY ESTIMATE SECTIONS WITH ROUTE TOTALS

STATE MONTANAINTERSTATE ROUTE NO. 15
Sheet 7 of 8 Sheets

ITEM	ESTIMATE SECTION & FINANCE CODE													
	H21.1.0 H21.2	H21.2.0 H22	H22 H23.1	H23.1 H24	H24 H25.0.1	H25.0.1 H25.0.2	H25.0.2 I1.0.1	I1.0.1 I2	I2 I3	I3 I4	I4 I5	I5 I6.1	I6.1 I6.2	I6.2 I7
	23	23	23	23	23	23	23	23	23	23	22	22	22	22
Section Length, miles (0.1)	7.0	6.8	7.0	1.0	2.8	7.7	9.0	11.1	1.3	4.1	2.9	3.0	2.6	12.0
Class: Rural or Urban (R or U)	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Urban Area identification (name and code)														
Location: Existing, new or toll (E, N or T)	N	N	N	N	N	N	N	N	N	N	E	E	E	E
Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
No. Lanes to be constructed this estimate	4	4	4	2	2	2	4	4	4	4	4		2	2
No. Lanes to be improved this estimate	0	0	0	0	0	0	0	0	0	0	0	0	0	0
No. through traffic lanes	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Status of improvement October 31, 1969	4a(1)	2b(2)N	2b(2)N	2a(2)f	2a(2)f	2a(2)f	4a(1)	4a(1)	4a(1)	4a(1)	4a(1)	1a(1)f	2a(2)f	2a(2)f
WORK CLASSIFICATION														
1. Preliminary Engineering				1	21	59						2	16	72
2. Right-of-Way														
a. Right-of-Way and acquisition	350	341	100	8	15	40								118
b. Relocation payments	1		3											
3. Clear & grub; demolition														
4. Utility adjustments	27	26	102											53
5. Grade & drain; minor structures	980	965	940	40	140	414	1146	1343	168	998	321		150	557
6. Subbase; base; surfacing; shoulders	1165	1229	1176	78	241	620	1633	1917	212	653	470		209	975
7. R.R. grade separations							264							
8. Highway grade separations without ramps	107	281				33	161				89			
9. Interchanges	397		701			118	1019	466	345	323				235
10. Other bridges; tunnels			198				451	80		670				
11. Walls														
12. Traffic control and safety improvements														
a. Guardrail; fencing; lighting; traffic control devices	81	71	68	38	12	43	110	109	18	62	32		20	118
b. Motorist service signs														
c. Safety improvements on completed sections						23						35	3	20
13. Roadside improvement														
a. Erosion Control	53	51	53	5	13	35	68	84	10	31	22		12	54
b. Landscaping														
c. Rest Areas			175				175							
d. Scenic overlooks														
14. All other items							300				89			545
15. Subtotal, lines 3 to 14	2810	2623	3413	161	406	1286	5327	3999	753	2737	1023	35	394	2557
16. Construction Engineering & Contingencies, 10% of Line 15	281	262	341	16	41	129	533	400	75	274	102	4	39	256
17. Total Cost of Construction, Lines 15 & 16	3091	2885	3754	177	447	1415	5860	4399	828	3011	1125	39	433	2813
18. Total Estimate Cost, line 1, 2 & 17	3442	3226	3857	186	483	1514	5860	4399	828	3011	1125	41	449	3003

TABLE C - COST ESTIMATE BY ESTIMATE SECTIONS WITH ROUTE TOTALS

STATE MONTANAINTERSTATE ROUTE NO. 15
Sheet 8 of 8 Sheets

ITEM	ESTIMATE SECTION & FINANCE CODE										SUBTOTAL			
	I7 I8.1	I8.1 I8.2	I8.2 I9	I9 I10	I10 I11							RURAL	URBAN	TOTAL FOR ROUTE
	22	22	22	22	22									
Section Length, miles (0.1)	9.2	4.2	3.3	0.9	0.3							386.4	9.0	395.4
Class: Rural or Urban (R or U)	R	R	R	R	R									
Urban Area identification (name and code)														
Location: Existing, new or toll (E, N or T)	E	E	E	E	E									
Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1									
No. Lanes to be constructed this estimate	4	2	2											
No. Lanes to be improved this estimate														
No. through traffic lanes	4	4	4	4	4									
Status of improvement October 31, 1969	4a(1)	2a(2)f	2a(2)f	1a(1)f	1a(1)f									
WORK CLASSIFICATION														
1. Preliminary Engineering					1							621	35	656
2. Right-of-Way														
a. Right-of-Way and acquisition		15	10									2196		2196
b. Relocation payments												15		15
3. Clear & grub; demolition												1053		1053
4. Utility adjustments		5	3									657		657
5. Grade & drain; minor structures	1770	301	390									50074		50074
6. Subbase; base; surfacing; shoulders	1746	328	257									32151		32151
7. R.R. grade separations		144										5418		5418
8. Highway grade separations without ramps	179											2748		2748
9. Interchanges	325	146	305									10737		10737
10. Other bridges; tunnels												5398		5398
11. Walls														
12. Traffic control and safety improvements														
a. Guardrail; fencing; lighting; traffic control devices	89	138	41									4317		4317
b. Motorist service signs														
c. Safety improvements on completed sections		20	14	1	22							1563	272	1835
13. Roadside improvement														
a. Erosion Control	69	19	15									1754		1754
b. Landscaping													333	333
c. Rest Areas												979		979
d. Scenic overlooks												25		25
14. All other items												3021		3021
15. Subtotal, lines 3 to 14	4178	1101	1025	1	22							119895	605	120500
16. Construction Engineering & Contingencies, 10% of Line 15	418	110	103		2							11995	62	12057
17. Total Cost of Construction, Lines 15 & 16	4596	1211	1128	1	24							131890	667	132557
18. Total Estimate Cost, line 1, 2 & 17	4596	1226	1138	1	25							134722	702	135424

Signature: James H. Stewart State Highway Engineer March 1, 1970
 State: Montana Name Title Date
James H. Stewart Division Engineer March 1, 1970
 BPR: Name Title Date

INTERSTATE ROUTE NO. 15
Sheet 1 of 8 Sheets

INTERSTATE ROUTE NO. 15
Sheet 1 of 8 Sheets

ITEM	ESTIMATE SECTION & FINANCE CODE																									
	G1 G2	G2 G2.1	G2.1 G3	G3 G4	G4 G5	G5 G6	G6 G7	G7 G8.1	G8.1 G8.2	G8.2 G8.2.1	G8.2.1 G9	G9 G10	G10 G10.1	G10.1 G11.1												
	23	22	22	22	23	21	21	23	23	22	22	23	23	23												
Section length, miles (O.1)	1.6	6.9	3.5	5.0	5.6	1.9	13.3	7.8	5.3	1.4	2.4	3.0	2.3	4.8												
Class: Rural or Urban (R or U)	R	R	R	R	R	R	R	R	R	R	R	R	R	R												
Urban Area identification (name and code)																										
Location: Existing, new or toll (E, N or T)	N	E	E	E	N	N	N	N	N	E	E	N	N	N												
Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1												
No. Lanes to be constructed this estimate	2	2	2	2	2	0	0	2	2	4	2	2	4	4												
No. Lanes to be improved this estimate	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
No. through traffic lanes	4	4	4	4	4	4	4	4	4	4	4	4	4	4												
Status of improvement, October 31, 1969 (PR-511)	2a(2)f	2a(2)f	2a(2)f	2a(2)f	2a(2)f	3a(2)	3a(2)	2a(2)f	2a(2)f	3a(1)s	2a(2)f	2a(2)f	4a(1)	4a(1)												
	ESTIMATED COSTS (\$1,000) AND NUMBER OF UNITS AND STRUCTURES																									
Item No. From Table C	Unit Str		Unit Str		Unit Str		Unit Str		Unit Str		Unit Str		Unit Str		Unit Str		Unit Str		Unit Str		Unit Str		Unit Str		Unit Str	
7. R.R. grade separation - Cost																										
a. No. to be constructed																									1	1
Cost																										81
b. No. in service or authorized - to be improved	1	2				1	2																			
Cost		174					238																			
c. No. in service - cost = zero																										
d. No. in authorized status - cost = zero																										
8. Highway grade separations without ramps - Cost																										
a. No. to be constructed																									3	5
Cost																										342
b. No. in service or authorized - to be improved								1	2				1	2	1	1										
Cost									50					50		48										
c. No. in service - cost = zero																										
d. No. in authorized status - cost = zero																										
9. Interchanges - Cost																										
a. No. to be constructed																								1	2	2
Cost																								115		357
b. No. in service or authorized - to be improved	1	2				1	2						1	2									1	2		
Cost		55					55							25										57		
c. No. in service - cost = zero																										
d. No. in authorized status - cost = zero										1	2	2	4													
10. Other bridges and tunnels - Cost																									1	2
a. No. to be constructed																									162	2
Cost																										242
b. No. in service or authorized - to be improved													2	4	2	4			2	6						
Cost														181		341				348						
c. No. in service - cost = zero																										
d. No. in authorized status - cost = zero										1	3															
	ESTIMATED COSTS (\$1,000) AND NUMBER OF REST AREAS																									
13c. Rest Areas - Cost																										
a. No. to be constructed																									1	
Cost																									104	
b. No. in service or authorized - to be improved																										
Cost																										
c. No. in service - cost = zero																								1		
d. No. in authorized status - cost = zero													2													

INTERSTATE ROUTE NO. 15
Sheet 2 of 8 Sheets

INTERSTATE ROUTE NO. 15
Sheet 2 of 8 Sheets

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INTERSTATE ROUTE NO. 15
Sheet 3 of 8 Sheets

INTERSTATE ROUTE NO. 15
Sheet 3 of 8 Sheets

ITEM	ESTIMATE SECTION & FINANCE CODE																										
	G19 G20.1	G20.1 G20.1.1	G20.1.1 G20.2	G20.2 G20.2.1	G20.2.1 G20.3	G20.3 G20.4	G20.4 G21	G21 G21.1	G21.1 G21.2	G21.2 G22.1	G22.1 G22.2	G22.2 G22.3	G22.3 G22.4	G22.4 G22.5													
	22 1.5	22 0.4	22 2.7	23 1.8	23 2.0	23 0.8	23 0.6	23 0.3	23 3.2	23 0.1	23 10.0	22 6.5	22 4.5	22 2.7													
Section length, miles (0.1)	R	R	R	R	U	U	U	R	R	R	R	R	R	R													
Class: Rural or Urban (R or U)					359#	359#	359#																				
Urban Area identification (name and code)	E	E	E	N	N	N	N	N	N	N	N	E	E	E													
Location: Existing, new or toll (E, N or T)	1	1	1	1	1	1	1	1	1	1	1	1	1	1													
Mileage increment: Code 1, 2, 3 or 4	0	0	0	0	0	0	0	2	2	4	4	4	4	4													
No. Lanes to be constructed this estimate	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
No. Lanes to be improved this estimate	4	4	4	4	4	4	4	4	4	4	4	4	4	4													
No. through traffic lanes	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	2a(2)f	2a(2)f	4a(1)	4a(1)	4a(3)	4a(3)	4a(3)													
Status of improvement, October 31, 1969 (PR-511)																											
	ESTIMATED COSTS (\$1,000) AND NUMBER OF UNITS AND STRUCTURES																										
Item No. From Table C	WORK CLASSIFICATION		Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	
7. R.R. grade separation - Cost																											
a. No. to be constructed																								1	2	2	4
Cost																									333	3267	
b. No. in service or authorized - to be improved													1	2													
Cost													99														
c. No. in service - cost = zero	1	2			1	2	3	6																			
d. No. in authorized status - cost = zero																											
8. Highway grade separations without ramps - Cost																											
a. No. to be constructed																											
Cost																											
b. No. in service or authorized - to be improved																											
Cost																											
c. No. in service - cost = zero								2	2	1	1	1	1														
d. No. in authorized status - cost = zero																											
9. Interchanges - Cost																											
a. No. to be constructed																											
Cost																											
b. No. in service or authorized - to be improved																											
Cost																											
c. No. in service - cost = zero	1	1	1	2	1	2	1	1	2	4			1	2													
d. No. in authorized status - cost = zero																											
10. Other bridges and tunnels - Cost																											
a. No. to be constructed																											
Cost																											
b. No. in service or authorized - to be improved																											
Cost																											
c. No. in service - cost = zero																											
d. No. in authorized status - cost = zero																											
	ESTIMATED COSTS (\$1,000) AND NUMBER OF REST AREAS																										
13c. Rest Areas - Cost																											
a. No. to be constructed																											
Cost																											
b. No. in service or authorized - to be improved																											
Cost																											
c. No. in service - cost = zero																											
d. No. in authorized status - cost = zero																											

INTERSTATE ROUTE NO. 15
Sheet 4 of 8 Sheets

INTERSTATE ROUTE NO. 15
Sheet 4 of 8 Sheets

ITEM	ESTIMATE SECTION & FINANCE CODE																											
	G22.5 G22.6	G22.6 G23.1	G23.1 G24	G24 G25.0.1	G25.0.1 G25.0.2	G25.0.2 G26.1	G26.1 G27	G27 G28.1	G28.1 G28.2	G28.2 G28.3	G28.3 G29	G29 G30	G30 G31.1	G31.1 G31.2														
	22	22	23	22	23	20	20	22	23	20	23	23	23	22														
Section length, miles (0.1)	4.4	1.5	6.8	5.5	5.4	3.6	5.6	1.8	0.8	0.2	1.2	6.1	2.1	7.7														
Class: Rural or Urban (R or U)	R	R	R	R	R	R	R	R	U	U	U	R	R	R														
Urban Area identification (name and code)									361#	361#	361#																	
Location: Existing, new or toll (E, N or T)	E	E	N	E	N	E	N	E	N	N	N	N	N	E														
Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1														
No. Lanes to be constructed this estimate	4	4	4	4	0	0	0	0	0	0	0	0	0	0														
No. Lanes to be improved this estimate	0	0	0	0	0	0	0	0	0	0	0	0	0	0														
No. through traffic lanes	4	4	4	4	4	4	4	4	4	4	4	4	4	4														
Status of improvement, October 31, 1969 (PR-511)	4a(1)	4a(1)	4a(1)	4a(1)	3a(2)	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f														
	ESTIMATED COSTS (\$1,000) AND NUMBER OF UNITS AND STRUCTURES																											
Item No. From Table C	Unit		Str		Unit		Str		Unit		Str		Unit		Str		Unit		Str		Unit		Str		Unit		Str	
7. R.R. grade separation - Cost																												
a. No. to be constructed	1	1																										
Cost	220																											
b. No. in service or authorized - to be improved																												
Cost																												
c. No. in service - cost = zero																												
d. No. in authorized status - cost = zero																												
8. Highway grade separations without ramps - Cost																												
a. No. to be constructed					2	4	1	2																				
Cost					191		89																					
b. No. in service or authorized - to be improved																												
Cost																												
c. No. in service - cost = zero																												
d. No. in authorized status - cost = zero																												
9. Interchanges - Cost																												
a. No. to be constructed	1	2			1	1																						
Cost	115				202																							
b. No. in service or authorized - to be improved																												
Cost																												
c. No. in service - cost = zero																												
d. No. in authorized status - cost = zero																												
10. Other bridges and tunnels - Cost																												
a. No. to be constructed	6	10	1	1	1	1																						
Cost	1434		149		109																							
b. No. in service or authorized - to be improved																												
Cost																												
c. No. in service - cost = zero																												
d. No. in authorized status - cost = zero																												
	ESTIMATED COSTS (\$1,000) AND NUMBER OF REST AREAS																											
13c. Rest Areas - Cost																												
a. No. to be constructed																												
Cost																												
b. No. in service or authorized - to be improved																												
Cost																												
c. No. in service - cost = zero																												
d. No. in authorized status - cost = zero																												

TABLE C-1 - COST ESTIMATE AND NUMBER OF STRUCTURES AND REST AREAS
BY ESTIMATE SECTIONS WITH ROUTE TOTALS

STATE MONTANA

INTERSTATE ROUTE NO. 15
Sheet 5 of 8 Sheets

ITEM	ESTIMATE SECTION & FINANCE CODE																									
	G31.2 G32	G32 H1	H1 H2.0.1	H2.0.1 H2.0.2	H2.0.2 H3	H3 H4.0.1	H4.0.1 H4.0.2	H4.0.2 H5	H5 H6	H6 H7.1	H7.1 H7.2	H7.2 H8	H8 H9.1	H9.1 H9.2												
	22	22	23	23	23	23	20	21	23	23	23	23	23	23												
Section length, miles (0.1)	6.1	2.3	8.2	2.7	3.7	3.5	2.6	1.0	3.3	3.2	1.4	2.5	5.7	1.5												
Class: Rural or Urban (R or U)	R	R	R	R	R	R	R	R	R	R	R	R	R	R												
Urban Area identification (name and code)																										
Location: Existing, new or toll (E, N or T)	E	E	N	N	N	N	E	N	N	N	N	N	N	N												
Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1												
No. Lanes to be constructed this estimate	2	0	0	0	0	0	0	0	0	0	0	2	2	2												
No. Lanes to be improved this estimate	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
No. through traffic lanes	4	4	4	4	4	4	4	4	4	4	4	4	4	4												
Status of improvement, October 31, 1969 (PR-511)	2a(2)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	3a(1)	3a(1)	1a(1)f	1a(1)f	2a(2)f	2a(2)f	2a(2)f												
	ESTIMATED COSTS (\$1,000) AND NUMBER OF UNITS AND STRUCTURES																									
<u>Item No. From</u> <u>Table C</u>	WORK CLASSIFICATION		Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str
7. R.R. grade separation - Cost																										
a. No. to be constructed																										
Cost																										
b. No. in service or authorized - to be improved																										
Cost																										
c. No. in service - cost = zero					1	2				1	2															
d. No. in authorized status - cost = zero																										
8. Highway grade separations without ramps - Cost																										
a. No. to be constructed																										
Cost																										
b. No. in service or authorized - to be improved																							1	2		
Cost																								38		
c. No. in service - cost = zero					1	2														1	2					
d. No. in authorized status - cost = zero																										
9. Interchanges - Cost																										
a. No. to be constructed																										
Cost																										
b. No. in service or authorized - to be improved																						1	2	1	2	
Cost																							62	64	57	
c. No. in service - cost = zero			1	2			2	3		1	2						1	1								
d. No. in authorized status - cost = zero																										
10. Other bridges and tunnels - Cost																										
a. No. to be constructed																										
Cost																										
b. No. in service or authorized - to be improved																										
Cost																										
c. No. in service - cost = zero					1	2				1	2									1	2			1	2	
d. No. in authorized status - cost = zero												1	3	1	2	3	6									
	ESTIMATED COSTS (\$1,000) AND NUMBER OF REST AREAS																									
13c. Rest Areas - Cost																										
a. No. to be constructed																								2		
Cost																								175		
b. No. in service or authorized - to be improved																										
Cost																										
c. No. in service - cost = zero																										
d. No. in authorized status - cost = zero					2										2											

INTERSTATE ROUTE NO. 15
Sheet 6 of 8 Sheets

INTERSTATE ROUTE NO. 15
Sheet 6 of 8 Sheets

[illegible]

INTERSTATE ROUTE NO. 15
Sheet 7 of 8 Sheets

INTERSTATE ROUTE NO. 15
Sheet 7 of 8 Sheets

ITEM	ESTIMATE SECTION & FINANCE CODE																											
	H21.1	H21.2	H22	H23.1	H24	H25.0.1	H25.0.2	I1.0.1	I2	I3	I4	I5	I6.1	I6.2														
	H21.1	H22	H23.1	H24	H25.0.1	H25.0.2	I1.0.1	I2	I3	I4	I5	I6	I6.2	I7														
	23	23	23	23	23	23	23	23	23	23	22	22	22	22														
Section length, miles (0.1)	7.0	6.8	7.0	1.0	2.8	7.7	9.0	11.1	1.3	4.1	2.9	3.0	2.6	12.0														
Class: Rural or Urban (R or U)	R	R	R	R	R	R	R	R	R	R	R	R	R	R														
Urban Area identification (name and code)																												
Location: Existing, new or toll (E, N or T)	N	N	N	N	N	N	N	N	N	N	E	E	E	E														
Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1														
No. Lanes to be constructed this estimate	4	4	4	2	2	2	4	4	4	4	4	0	2	2														
No. Lanes to be improved this estimate	0	0	0	0	0	0	0	0	0	0	0	0	0	0														
No. through traffic lanes	4	4	4	4	4	4	4	4	4	4	4	4	4	4														
Status of improvement, October 31, 1969 (PR-511)	4a(1)	2b(2)n	2b(2)n	2a(2)f	2a(2)f	2a(2)f	4a(1)	4a(1)	4a(1)	4a(1)	4a(1)	1a(1)f	2a(2)f	2a(2)f														
	ESTIMATED COSTS (\$1,000) AND NUMBER OF UNITS AND STRUCTURES																											
Item No. From Table C	WORK CLASSIFICATION																											
	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str
7. R.R. grade separation - Cost																												
a. No. to be constructed													2	3														
Cost													264															
b. No. in service or authorized - to be improved																												
Cost																												
c. No. in service - cost = zero																							1	2				
d. No. in authorized status - cost = zero																												
8. Highway grade separations without ramps - Cost																												
a. No. to be constructed	1	2											2	3			1	1					1	2				
Cost	107												275				108						89					
b. No. in service or authorized - to be improved												1	1															
Cost												33																
c. No. in service - cost = zero																												
d. No. in authorized status - cost = zero																												
9. Interchanges - Cost																												
a. No. to be constructed	1	1	1	2	2	2							2	2	2	2			1	1								
Cost	173		120		253								464		242				111									
b. No. in service or authorized - to be improved												1	1													2	3	
Cost												39														89		
c. No. in service - cost = zero																							1	1				
d. No. in authorized status - cost = zero																												
10. Other bridges and tunnels - Cost																												
a. No. to be constructed					1	2							1	3	1	2			1	2								
Cost					198								338		80				670									
b. No. in service or authorized - to be improved																												
Cost																												
c. No. in service - cost = zero																												
d. No. in authorized status - cost = zero																												
	ESTIMATED COSTS (\$1,000) AND NUMBER OF REST AREAS																											
13c. Rest Areas - Cost																												
a. No. to be constructed					2																							
Cost					175																							
b. No. in service or authorized - to be improved																												
Cost																												
c. No. in service - cost = zero																												
d. No. in authorized status - cost = zero																												

**TABLE C-1 - COST ESTIMATE AND NUMBER OF STRUCTURES AND REST AREAS
BY ESTIMATE SECTIONS WITH ROUTE TOTALS**

STATE MONTANA

INTERSTATE ROUTE NO. 15
Sheet 8 of 8 Sheets

ITEM	ESTIMATE SECTION & FINANCE CODE																				SUBTOTAL				TOTAL FOR ROUTE
	I7 I8.1	I8.1 I8.2	I8.2 I9	I9 I10	I10 I11																RURAL	URBAN			
	22	22	22	22	22																				
Section length, miles (0.1)	9.2	4.2	3.3	0.9	0.3																386.4	9.0	395.4		
Class: Rural or Urban (R or U)	R	R	R	R	R																				
Urban Area identification (name and code)																									
Location: Existing, new or toll (E, N or T)	E	E	E	E	E																				
Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1																				
No. Lanes to be constructed this estimate	4	2	2	0	0																				
No. Lanes to be improved this estimate	0	0	0	0	0																				
No. through traffic lanes	4	4	4	4	4																				
Status of improvement, October 31, 1969 (PR-511)	4a(1)	2a(2)f	2a(2)f	1a(1)f	1a(1)f																				
ESTIMATED COSTS (\$1,000) AND NUMBER OF UNITS AND STRUCTURES																									
Item No. From Table C	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	
7. R.R. grade separation - Cost																									
a. No. to be constructed																									
Cost																									
b. No. in service or authorized - to be improved			1	2																					
Cost			144																						
c. No. in service - cost = zero																									
d. No. in authorized status - cost = zero																									
8. Highway grade separations without ramps - Cost																									
a. No. to be constructed	2	2																							
Cost	179																								
b. No. in service or authorized - to be improved																									
Cost																									
c. No. in service - cost = zero																									
d. No. in authorized status - cost = zero																									
9. Interchanges - Cost																									
a. No. to be constructed	1	1																							
Cost	101																								
b. No. in service or authorized - to be improved			1	2	1	1																			
Cost			79		93																				
c. No. in service - cost = zero									1	1															
d. No. in authorized status - cost = zero																									
10. Other bridges and tunnels - Cost																									
a. No. to be constructed																									
Cost																									
b. No. in service or authorized - to be improved																									
Cost																									
c. No. in service - cost = zero																									
d. No. in authorized status - cost = zero																									
ESTIMATED COSTS (\$1,000) AND NUMBER OF REST AREAS																									
13c. Rest Areas - Cost																									
a. No. to be constructed																									
Cost																									
b. No. in service or authorized - to be improved																									
Cost																									
c. No. in service - cost = zero																									
d. No. in authorized status - cost = zero																									

Signature: Louis J. Sullivan State Highway Engineer March 1, 1970
Date: _____ Title _____ Date _____

W. Stewart Division Engineer March 1, 1970
BPR: _____ Name _____ Title _____ Date _____

IDAHO

TO IDAHO FALLS, IDAHO



I-IG-15-1(34) O-PE

I-15-1(7) O-C (Signing)
I-ING 15-1(1) O-C (12 1mi-Rd-Str-BST)

I-IG-15-1(35) 9 PE

I-ING 15-1(3) 12-C
(50 mi-Rd-Str-BST)

G2.1

G3

G4

T. 13 S.

R. 7 W.

T. 14 S.

G2
R. 6 W.

G1

LIMA
POP 483

ROCK

RED

JUNCTION
RAILROAD

PACIFIC
PIPE

Snowline

Run

Hollow

Crooked

Creek

Junction

Shineberger
Creek

Swamp
Creek

Middle
Creek

Beaver
Creek

Poison
Creek

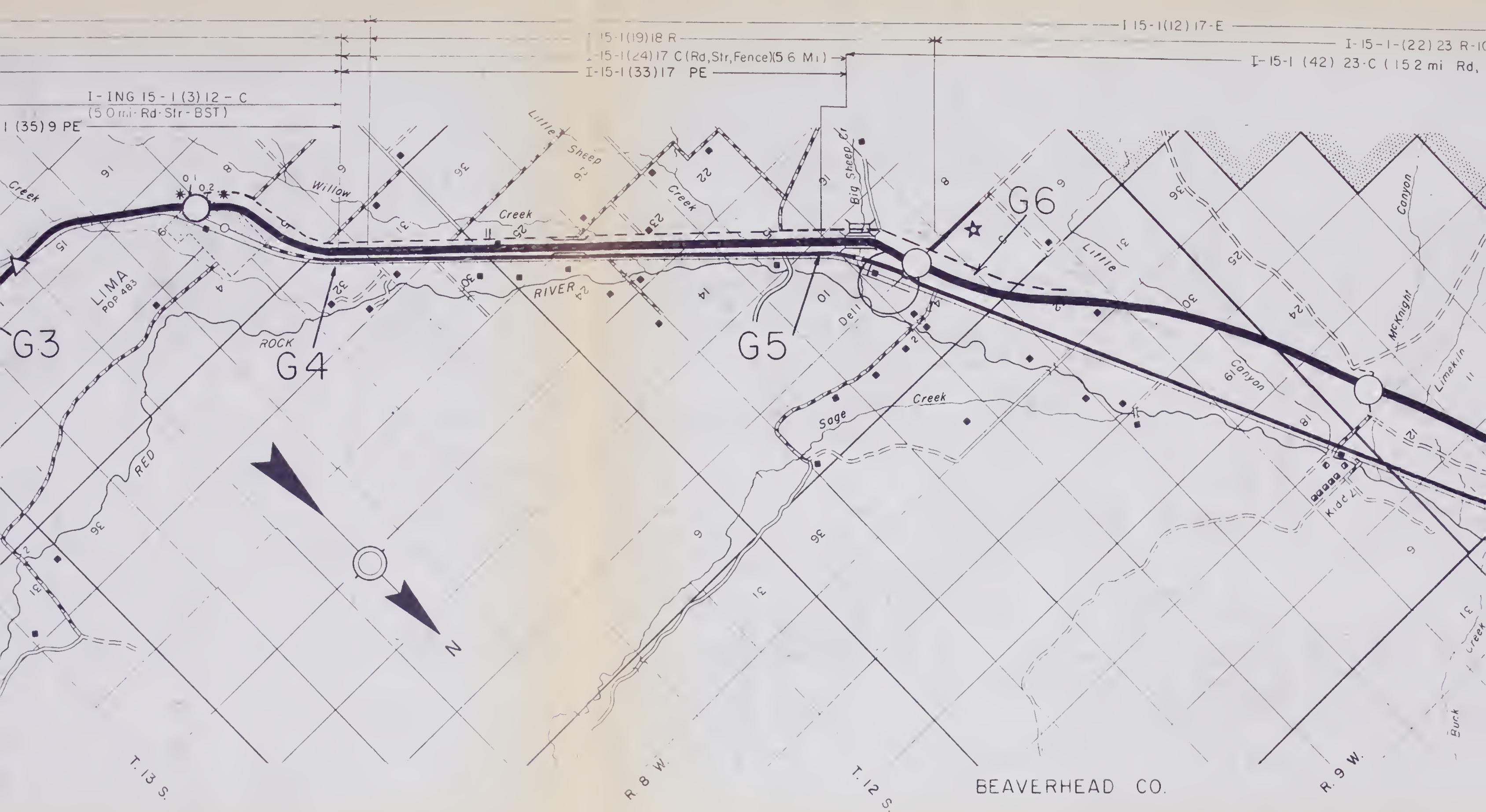
Beaver
Creek

T. 15 S.

TO IDAHO FALLS, IDAHO

CONTINENTAL
DIVIDE

MONIDA
PASS
6823



I-15-1-(22) 23 R-IC

I-15-1 (42) 23-C (152 mi Rd, Str, Fence, Sign)



G7

I 15-1(4) 36 - E

I 15-1(10) 37 - R

I 15-1(11) 37 - C (7.8 mi - Rdwy - Str)

I 15-1(15) 37 - C (Signing)

I 15-1(16) 37 - C (Seeding)

I 15-1(32) 37 - PE

T. 10 S.

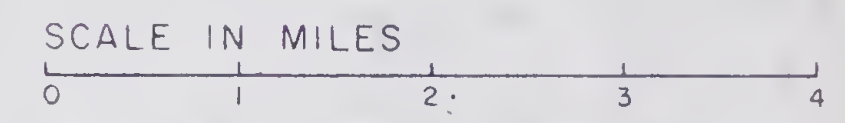


G8.1



LEGEND FOR INTERSTATE ROUTES

- INTERSTATE LOCATION STEP 4-5
- INTERSTATE LOCATION STEP 1-2-3
- INTERCHANGE
- HIGHWAY GRADE SEPARATION - NO CONNECTION
- RAILROAD GRADE SEPARATION
- COMBINATION HIGHWAY-RAILROAD GRADE SEPARATION
- OTHER BRIDGE
- TUNNEL
- TOLL BRIDGE, TUNNEL, HIGHWAY OR COMBINATION
- FRONTAGE ROAD
- TERMINATED CROSS ROAD
- INTERSECTION AT-GRADE
- URBAN AREA BOUNDARY
- POST MILEAGE
- ROUTE SECTIONS



MONTANA

INTERSTATE ROUTE 15

Sheet 1 of 8

Date October 31, 1969

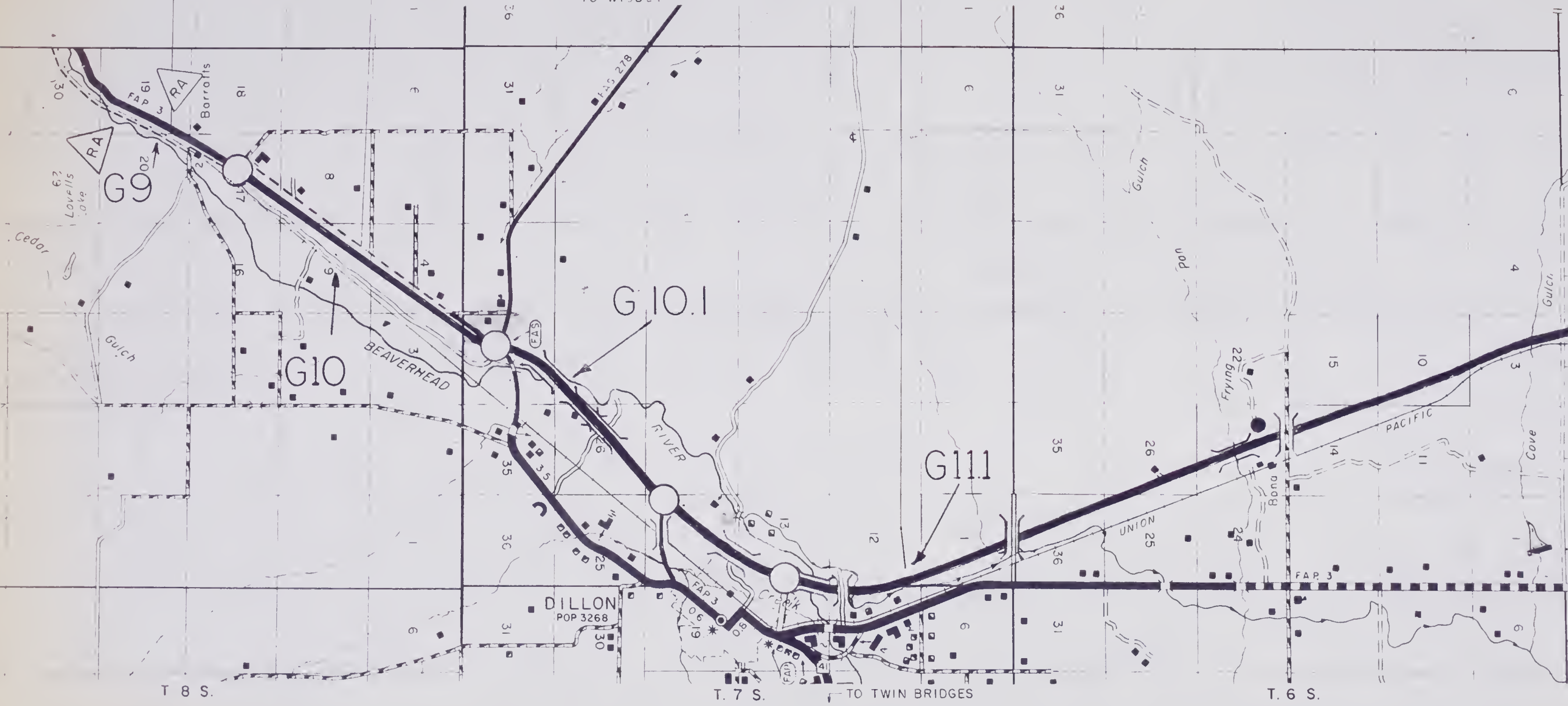
I-15 - I (5) 51 - E
I-15 - I (20) 51-C (Rd, Str, Sign, Fence, Rest Area)
I-15 - I (18) 51-R (6.9 mi)
LSI 15-1 (1) 53 C (Rest Area)

I 15-1 (25) 64 R

I 15-1 (36) 51 PE

I 15-1 (26) 58 R

TO WISLEY

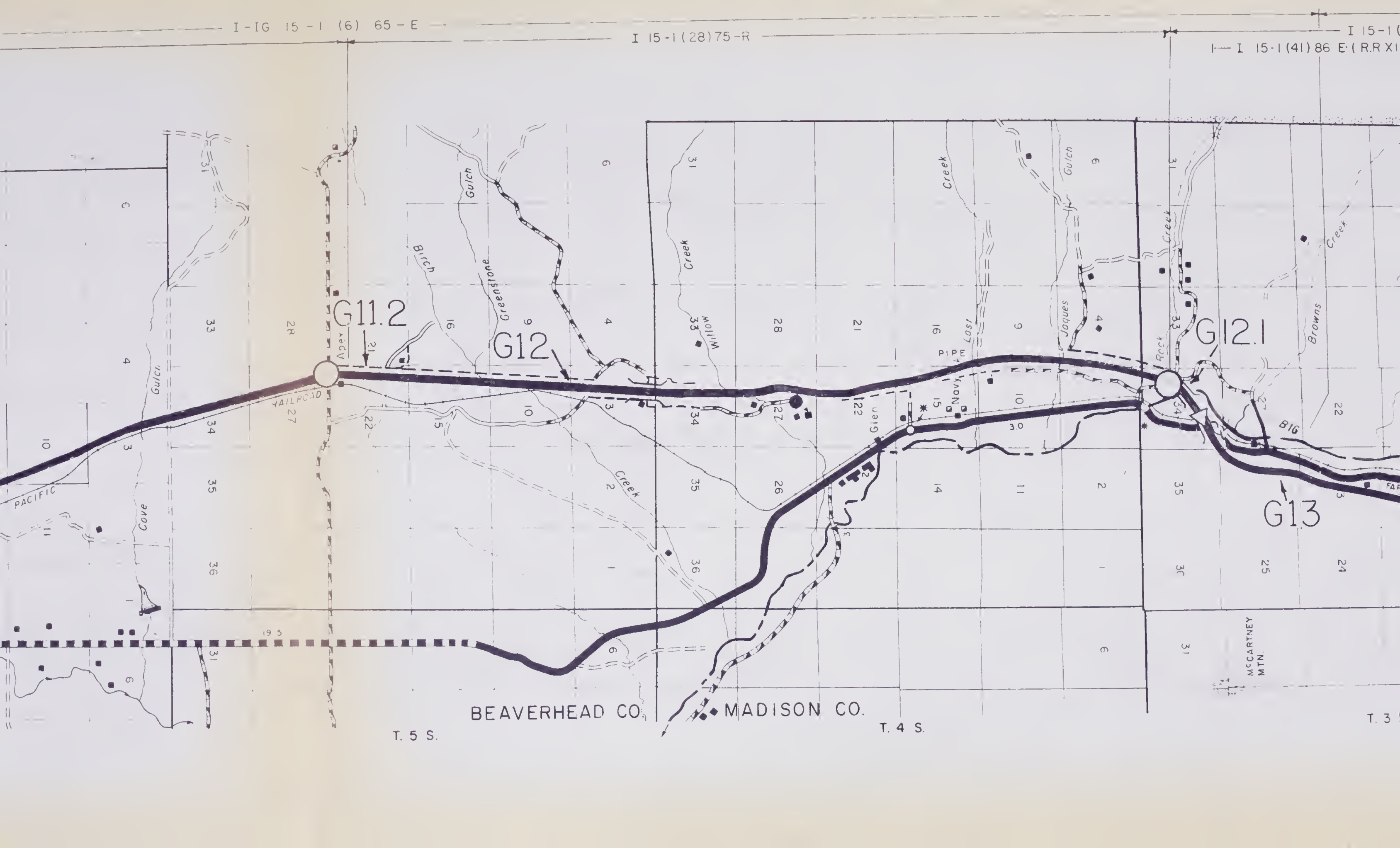


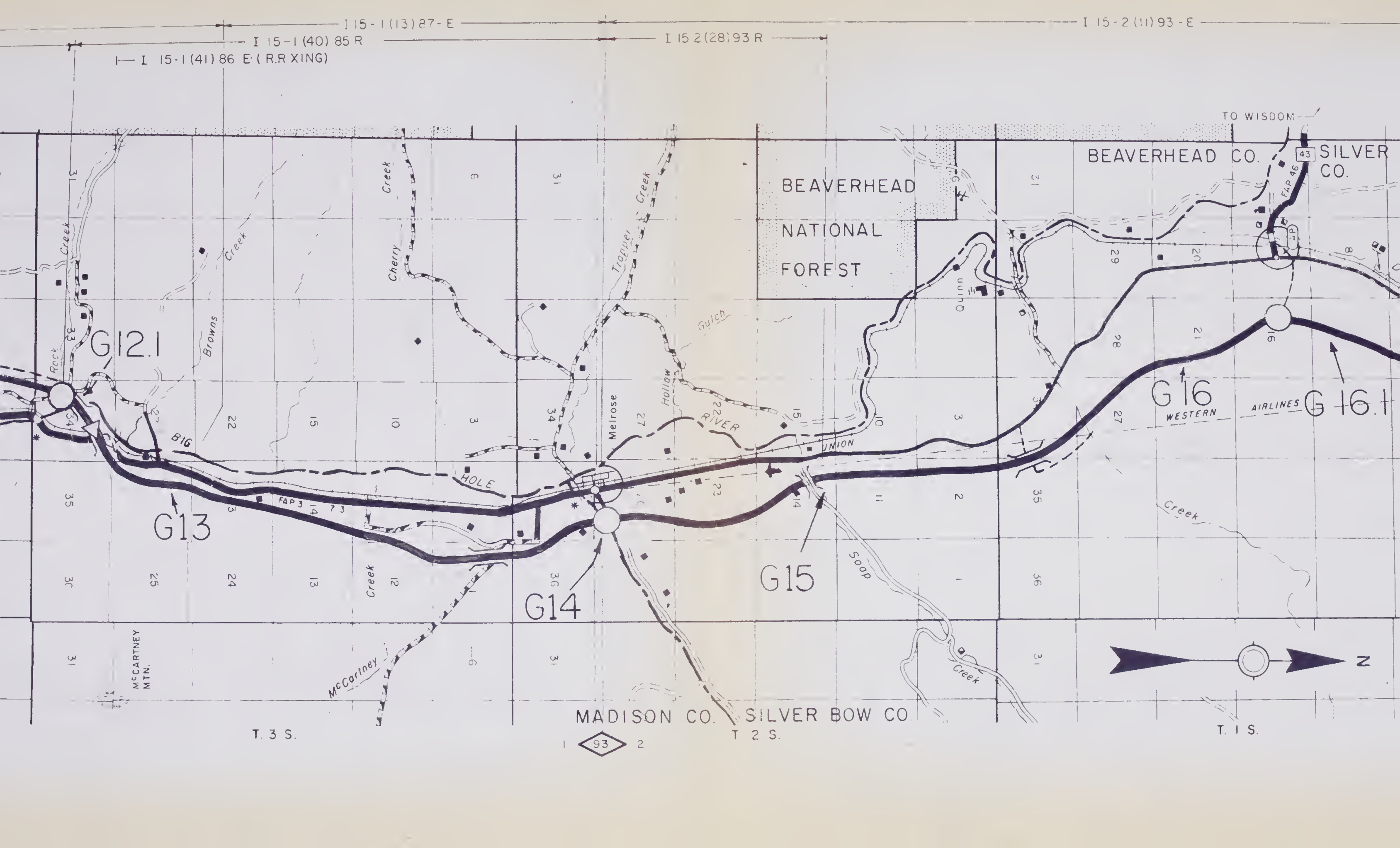
T. 8 S.

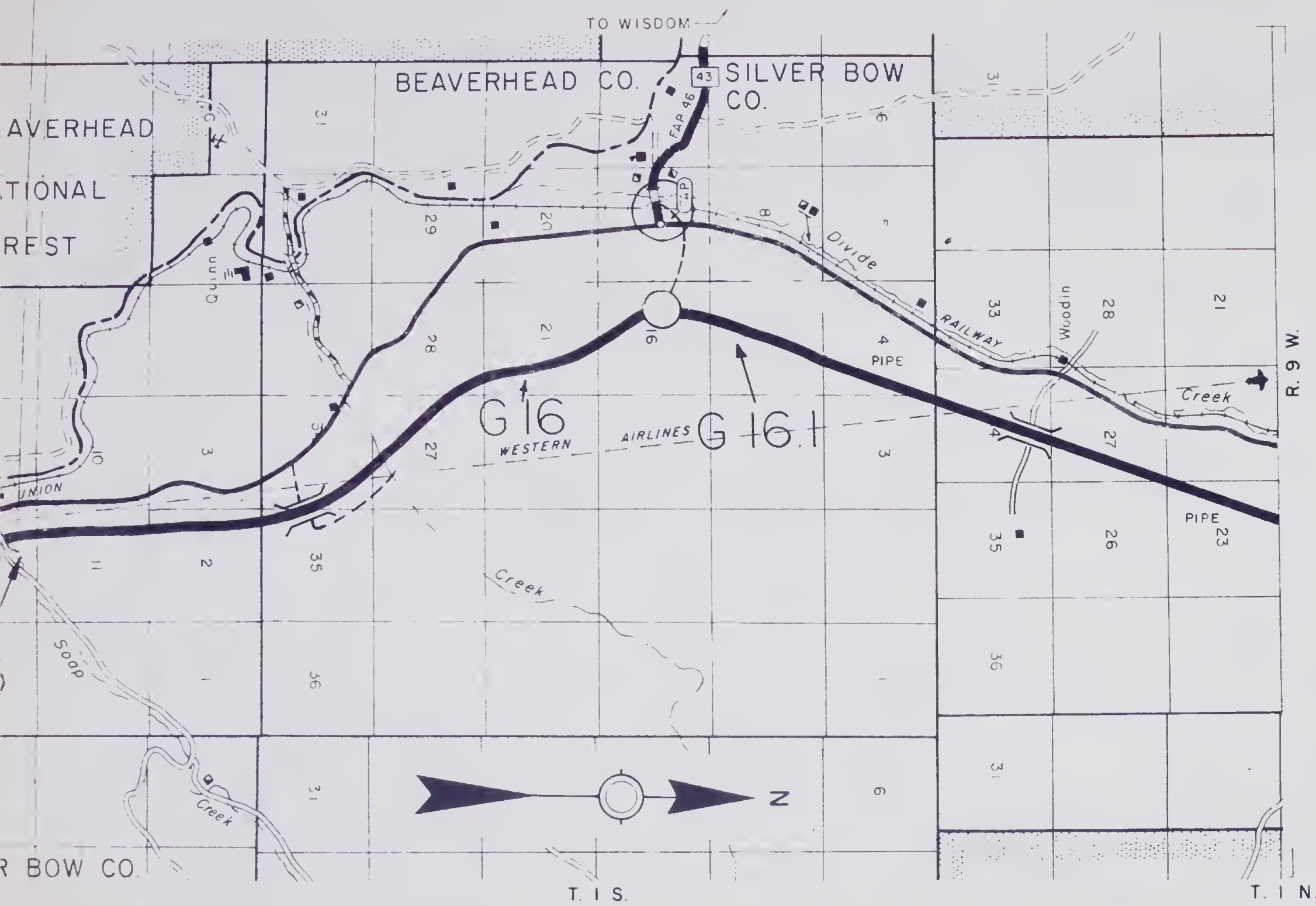
T. 7 S.

TO TWIN BRIDGES

T. 6 S.



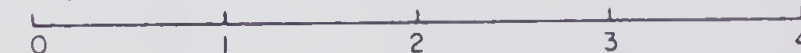




LEGEND FOR INTERSTATE ROUTES

- INTERSTATE LOCATION STEP 4 - 5
- INTERSTATE LOCATION STEP 1 - 2 - 3
- INTERCHANGE
- HIGHWAY GRADE SEPARATION - NO CONNECTION
- RAILROAD GRADE SEPARATION
- COMBINATION HIGHWAY-RAILROAD GRADE SEPARATION
- OTHER BRIDGE
- TUNNEL
- TOLL BRIDGE, TUNNEL, HIGHWAY OR COMBINATION
- FRONTAGE ROAD
- TERMINATED CROSS ROAD
- INTERSECTION AT-GRADE
- URBAN AREA BOUNDARY
- POST MILEAGE
- ROUTE SECTIONS

SCALE IN MILES

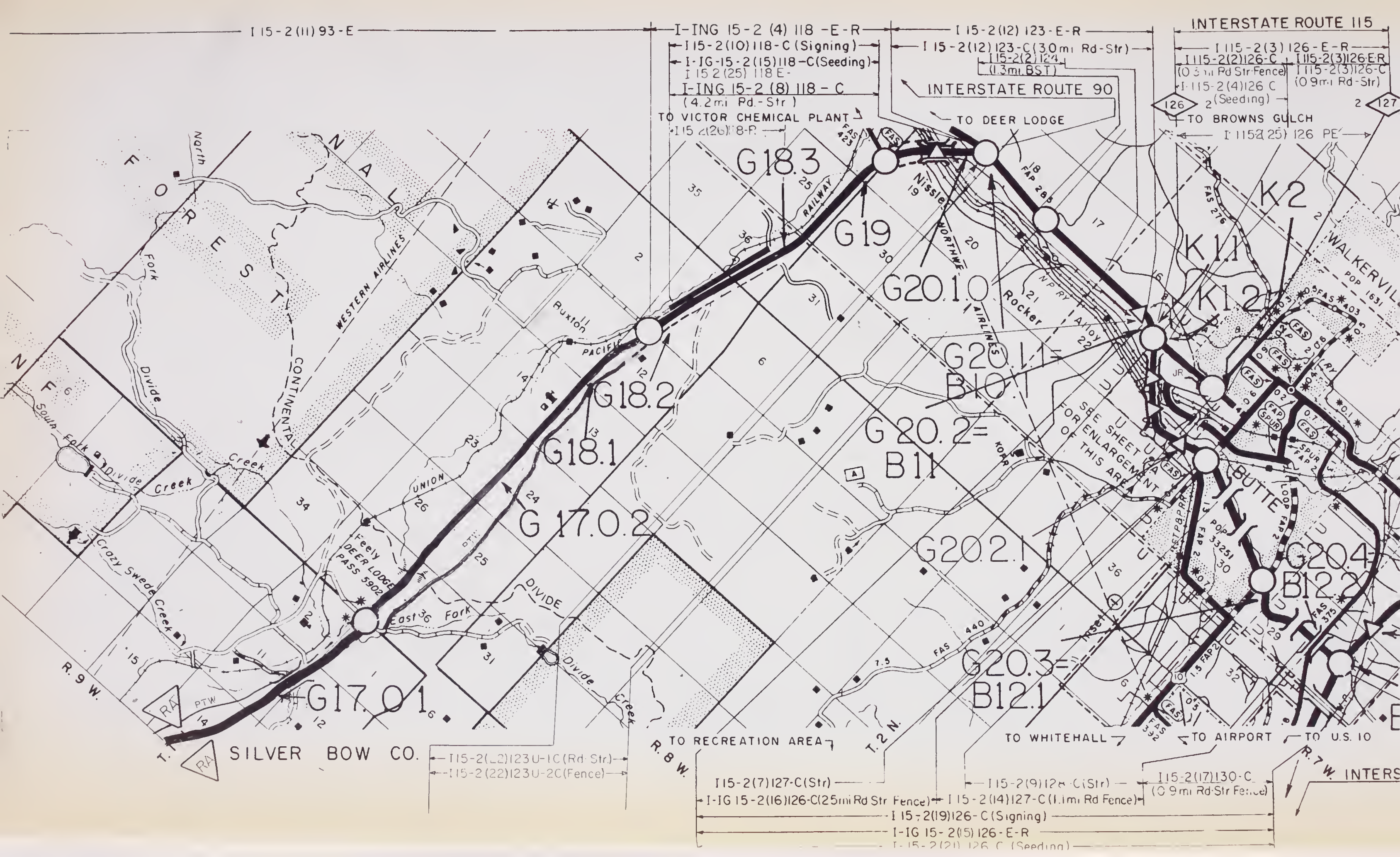


MONTANA

INTERSTATE ROUTE 15

Sheet 2 of 8

Date October 31, 1969



I 15-2(11) 93-E

I-ING 15-2 (4) 118 -E-R

I 15-2(12) 123-E-R

INTERSTATE ROUTE 115

I 15-2(10) 118-C (Signing)

I 15-2(12) 123-C (3.0 mi Rd-Str)

I 115-2(3) 126-E-R

I-IG 15-2(15) 118-C (Seeding)

I 15-2(2) 124

I 115-2(2) 126-C

I 15-2(25) 118-E

(1.3 mi BST)

I 115-2(3) 126-E

I-ING 15-2 (8) 118 -C

INTERSTATE ROUTE 90

I 115-2(4) 126-C

(4.2 mi Pd-Str)

TO DEER LODGE

TO BROWNS GULCH

TO VICTOR CHEMICAL PLANT

I 115-2(25) 126 PE

I 15-2(26) 118-P

G18.3

G19

G20.10

G20.11

G20.2

B11

G20.2

G20.3

B12.1

G20.4

B12.2

SILVER BOW CO.

I 15-2(22) 123U-1C (Rd-Str)

I 15-2(22) 123U-2C (Fence)

I 15-2(7) 127-C (Str)

I-IG 15-2(16) 126-C (25 mi Rd Str Fence)

I 15-2(9) 128-C (Str)

I 15-2(14) 127-C (1.1 mi Rd Fence)

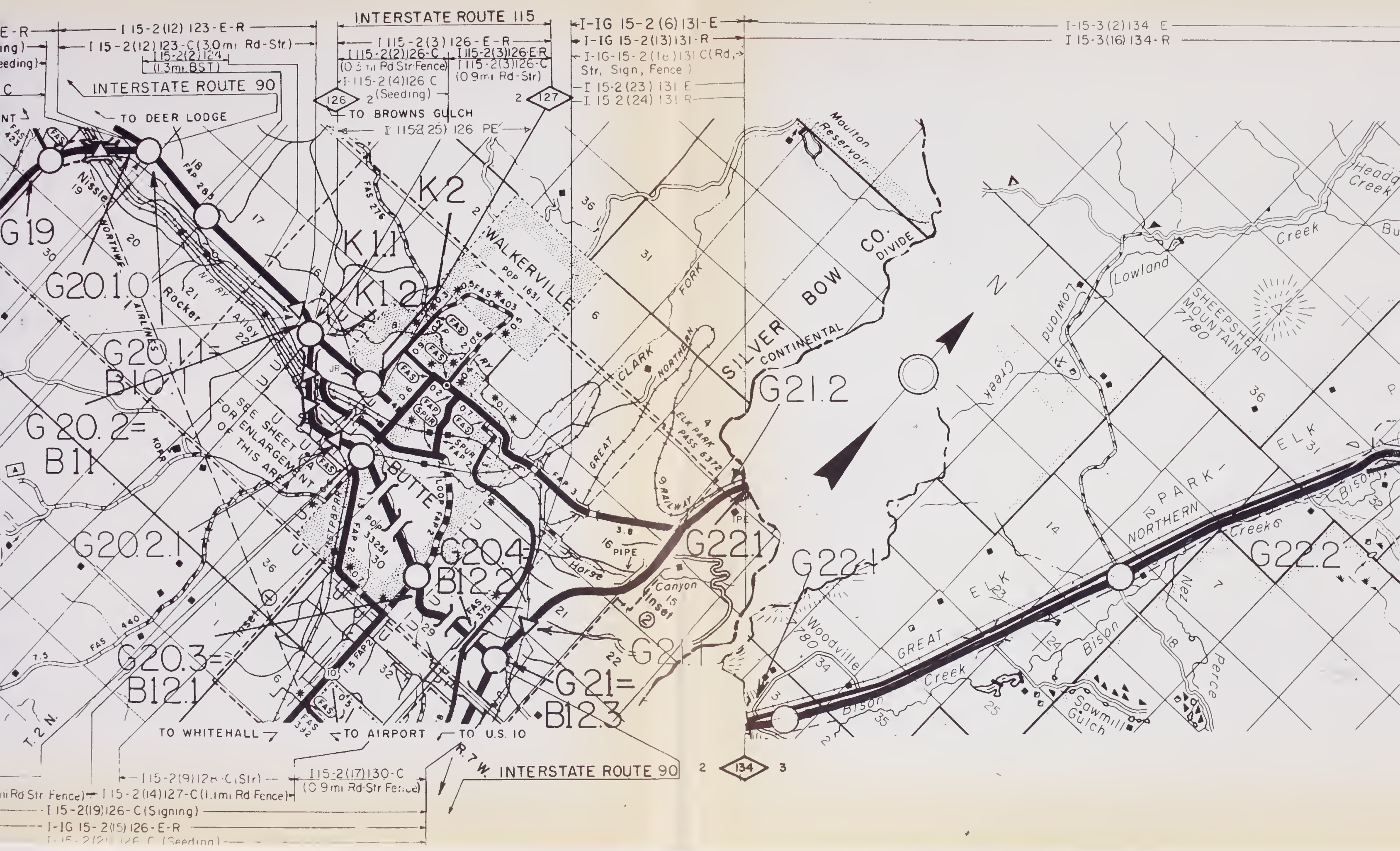
I 15-2(17) 130-C

(0.9 mi Rd-Str Fence)

I 15-2(19) 126-C (Signing)

I-IG 15-2(15) 126-E-R

I 15-2(21) 126-C (Seeding)



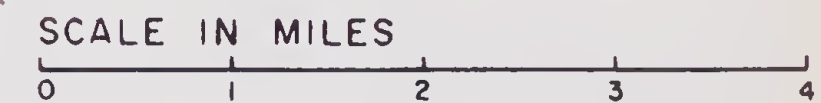
-I-15-3(19)157-R





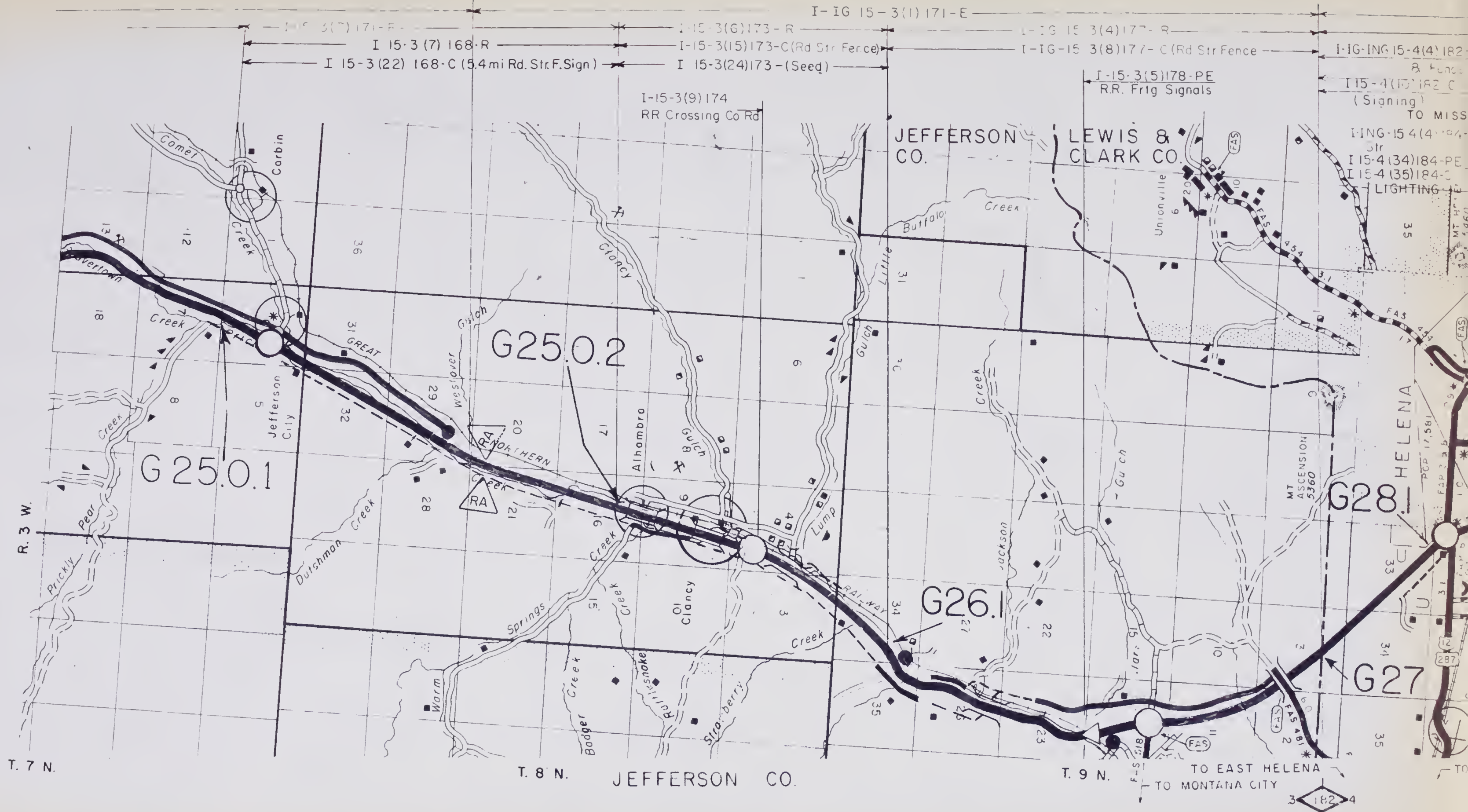
LEGEND FOR INTERSTATE ROUTES

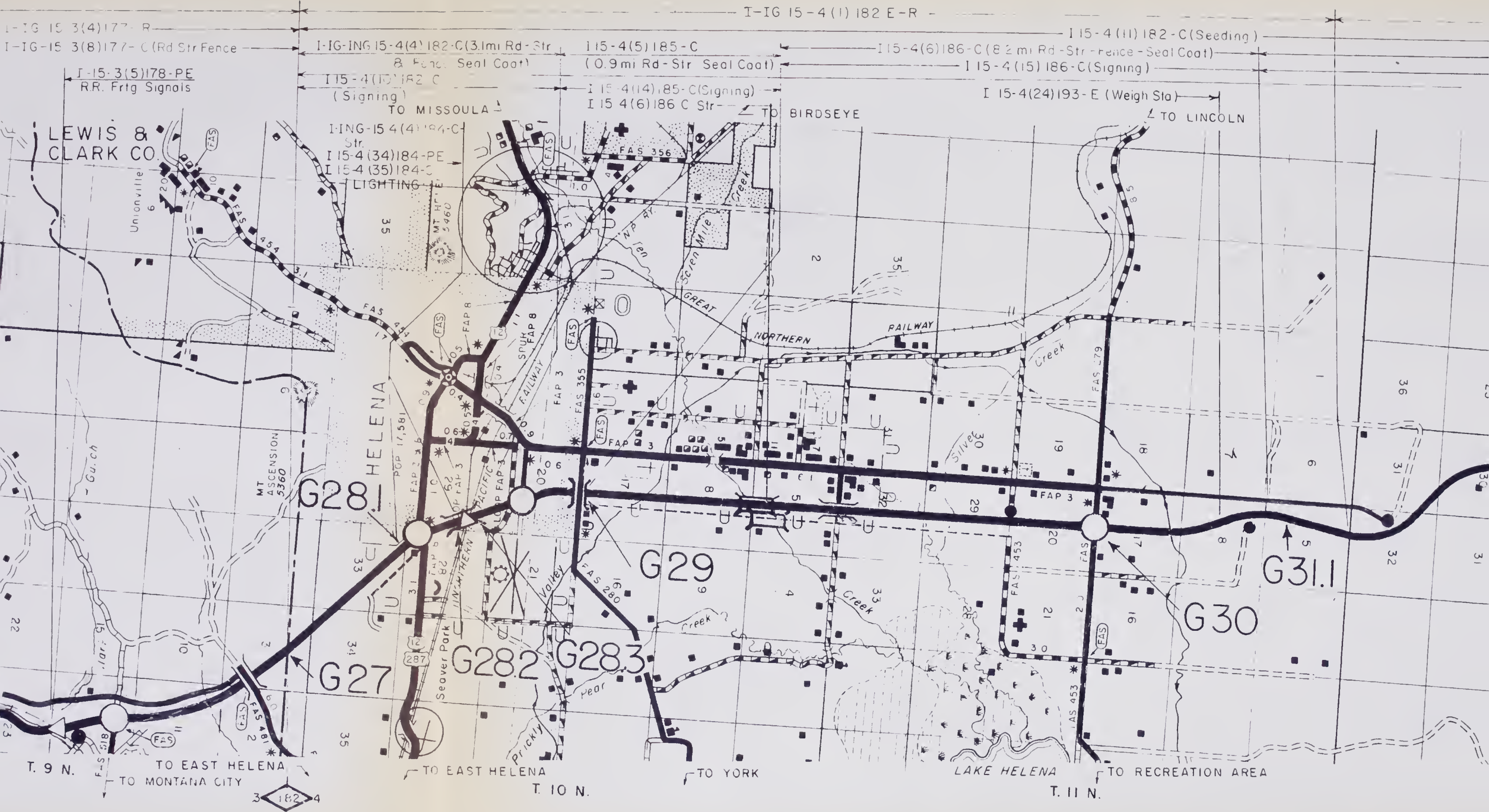
- INTERSTATE LOCATION STEP 4-5
- INTERSTATE LOCATION STEP 1-2-3
- INTERCHANGE
- HIGHWAY GRADE SEPARATION - NO CONNECTION
- RAILROAD GRADE SEPARATION
- COMBINATION HIGHWAY-RAILROAD GRADE SEPARATION
- OTHER BRIDGE
- TUNNEL
- TOLL BRIDGE, TUNNEL, HIGHWAY OR COMBINATION
- FRONTAGE ROAD
- TERMINATED CROSS ROAD
- INTERSECTION AT-GRADE
- URBAN AREA BOUNDARY
- POST MILEAGE
- ROUTE SECTIONS



MONTANA

INTERSTATE ROUTE 15
Sheet 3 of 8
Date October 31, 1969
INTERSTATE ROUTE 115
(COMPLETE ROUTE ON THIS SHEET.)





I-IG 15-3(4)177-R
I-IG-15-3(8)177-C (Rd Str Fence)
I-15-3(5)178-PE
R.R. Frtg Signals

I-IG-ING 15-4(4)182-C (3.1mi Rd-Str
& Fence Seal Coat)
I 15-4(10)182-C
(Signing)
TO MISSOULA

I-ING-15-4(4)184-C
Str.
I 15-4(34)184-PE
I 15-4(35)184-C
LIGHTING

I 15-4(5)185-C
(0.9mi Rd-Str Seal Coat)

I 15-4(14)185-C (Signing)
I 15-4(6)186-C Str

I 15-4(11)182-C (Seeding)
I 15-4(6)186-C (8.2 mi Rd-Str-Fence-Seal Coat)
I 15-4(15)186-C (Signing)

I 15-4(24)193-E (Weigh Sta)
TO LINCOLN

LEWIS & CLARK CO.
Unionville

MT ASCENSION 5360

Seaver Park

LAKE HELENA

TO EAST HELENA
TO MONTANA CITY

TO EAST HELENA
T. 10 N.

TO YORK

TO RECREATION AREA
T. 11 N.

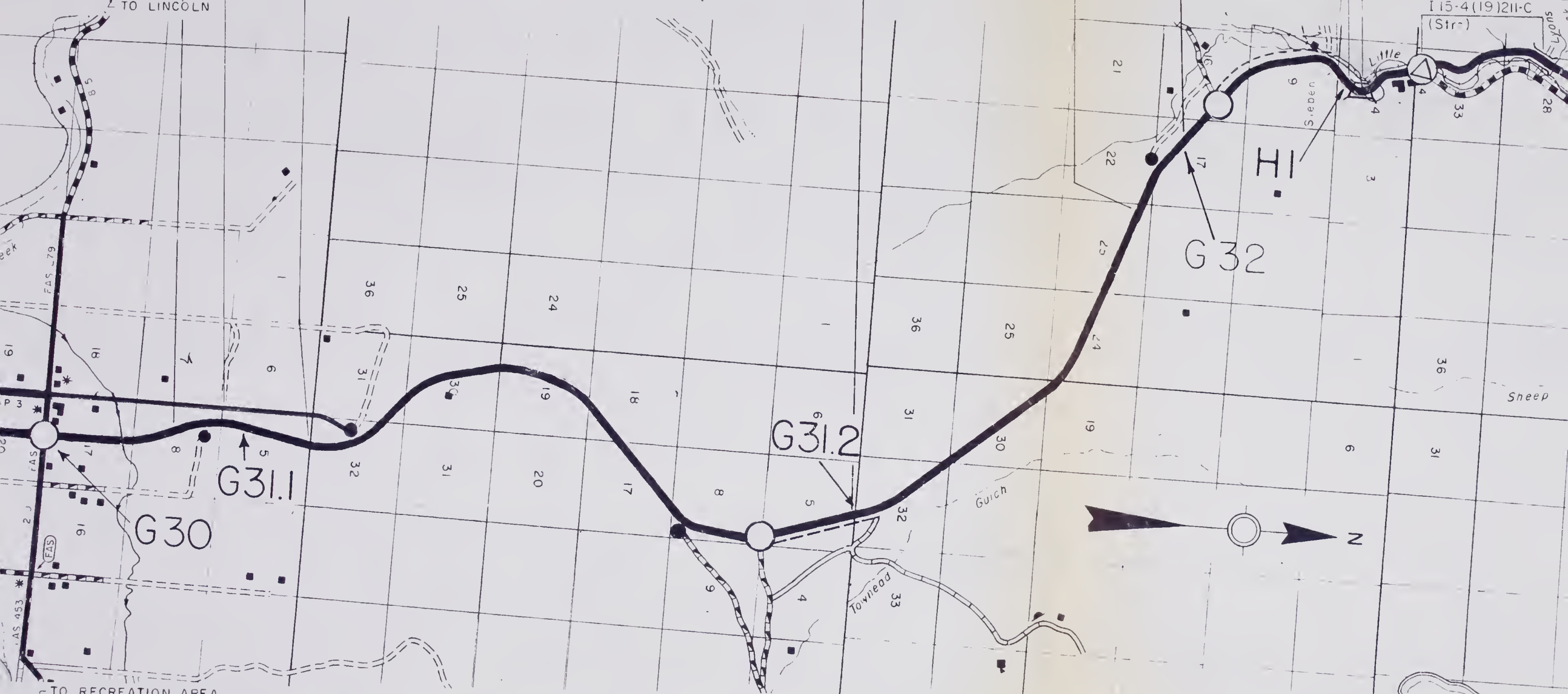
G27
G28
G29
G30
G31.1

G28.2
G28.3

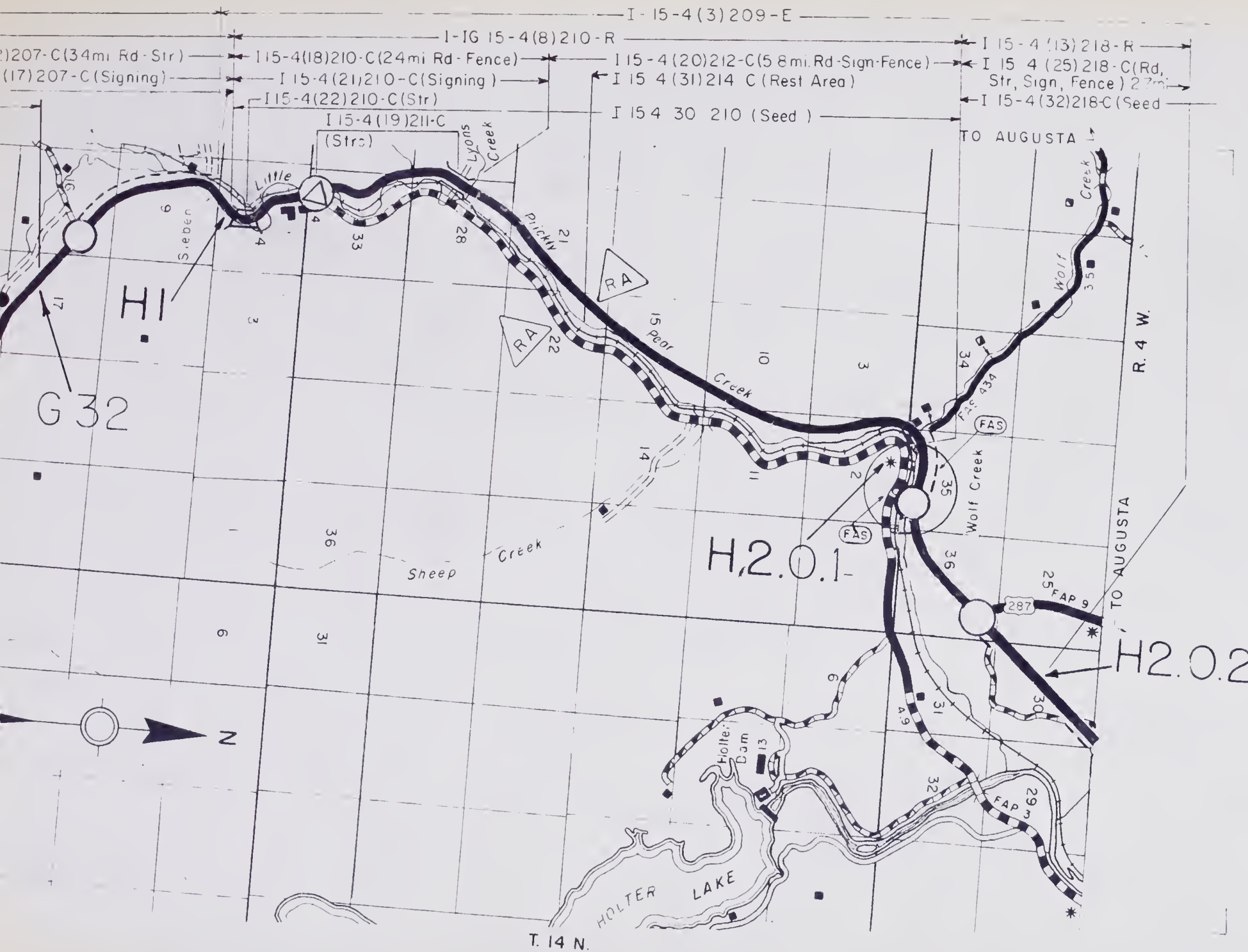
182
287
453

182
4

I-15-4(11)182-C(Seeding)
Rd-Str-Fence-Seal Coat)
186-C(Signing)
4)193-E(Weigh Sta)
I-15-4(9)194-C(12.7mi.Rd-Str-Fence-Seal Coat)
I-15-4(16)194-C(Signing)
I-15-4(11)182-C(Seeding)
I-15-4(36)202-E
I-15-4(12)207-C(34mi Rd-Str)
I-15-4(17)207-C(Signing)
I-15-4(18)210-C(24mi Rd-Fer
I-15-4(21)210-C(Signing)
I-15-4(22)210-C(Str)
I-15-4(19)211-C
(Str)

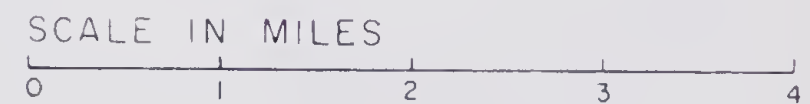


TO RECREATION AREA
T.12 N. LEWIS & CLARK CO. T.13 N.



LEGEND FOR INTERSTATE ROUTES

- INTERSTATE LOCATION STEP 4-5
- INTERSTATE LOCATION STEP 1-2-3
- INTERCHANGE
- HIGHWAY GRADE SEPARATION - NO CONNECTION
- RAILROAD GRADE SEPARATION
- COMBINATION HIGHWAY-RAILROAD GRADE SEPARATION
- OTHER BRIDGE
- TUNNEL
- TOLL BRIDGE, TUNNEL, HIGHWAY OR COMBINATION
- FRONTAGE ROAD
- TERMINATED CROSS ROAD
- INTERSECTION AT-GRADE
- URBAN AREA BOUNDARY
- POST MILEAGE
- ROUTE SECTIONS

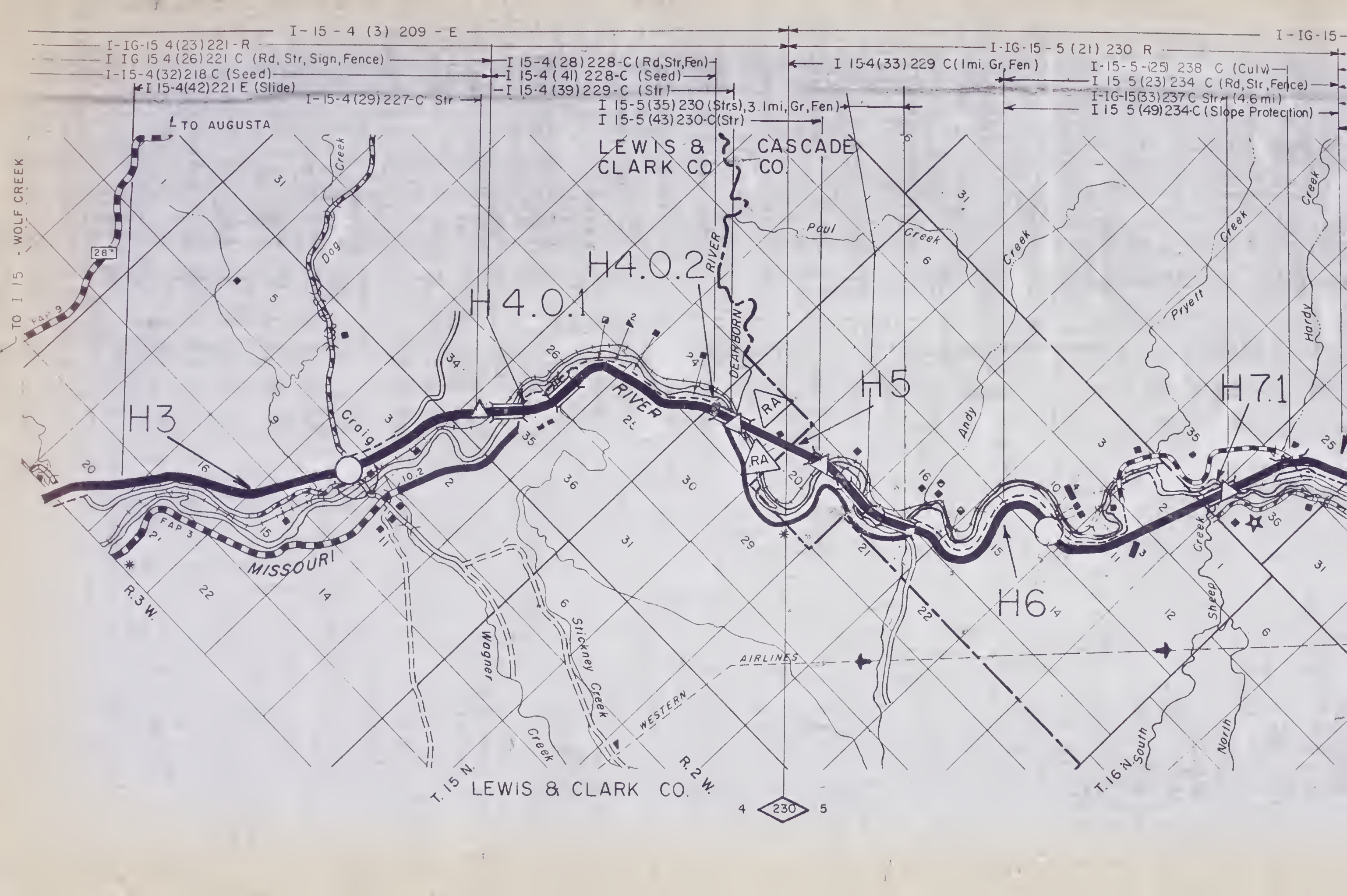


MONTANA

INTERSTATE ROUTE 15

Sheet 4 of 8

Date October 31, 1969

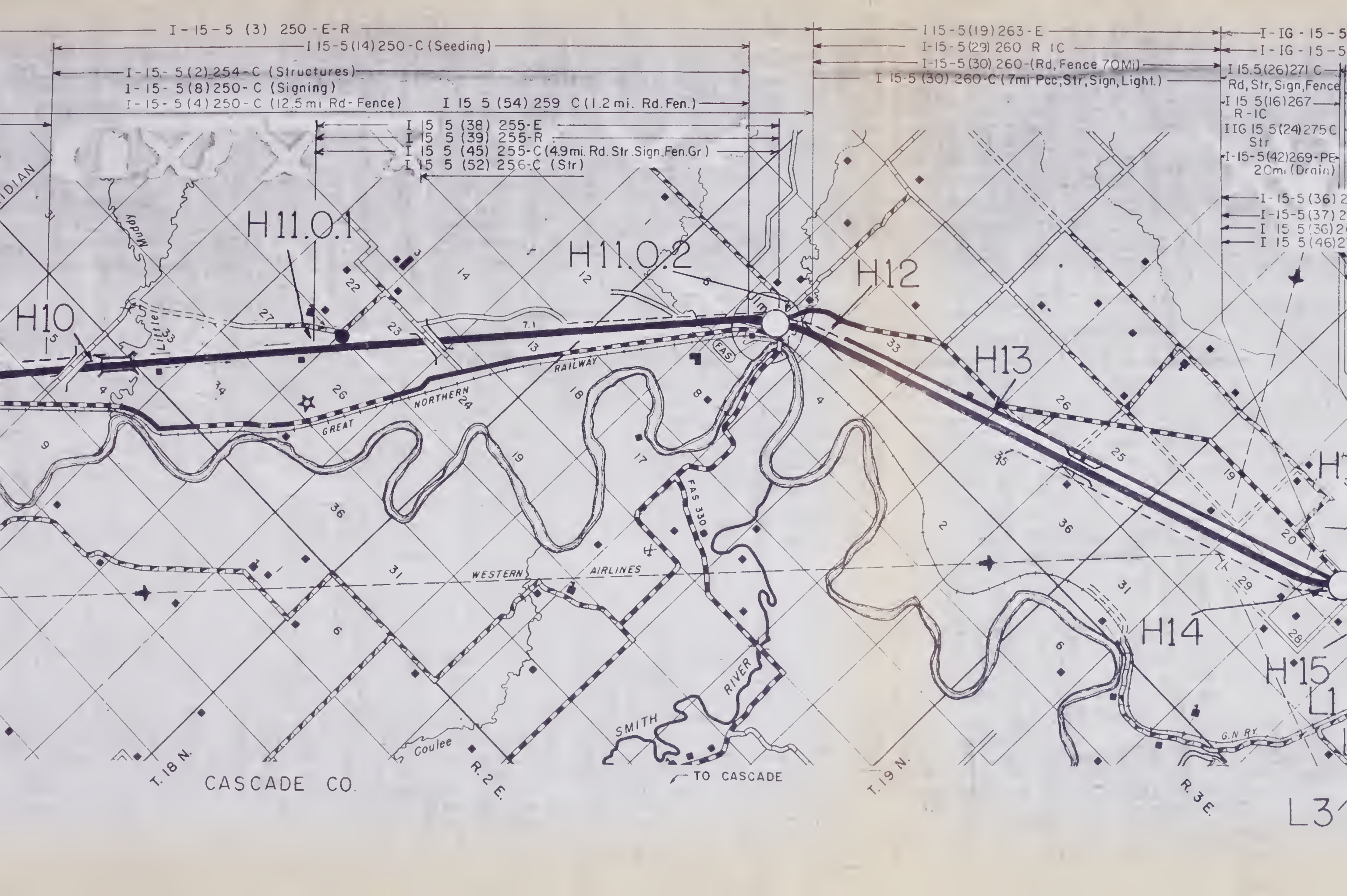


1) 230 R -----
I-15-5-(25) 238 C (Culw) - I
- I 15 5 (23) 234 C (Rd, Str, Fence) -
I-IG-15(33) 237 C Str (4.6 mi)
I 15 5 (49) 234 C (Slope Protection)

I 15-5(13)239-R _____
 I 15-5(13)239-C (9.7mi. Rd-Str- Fence) _____
 I 15-5(17)239-C (Signing- Del) _____
 I 15-5(18)239-C (Seeding) _____

I 15 5 (41) 239 - R





I-15-5 (3) 250-E-R

I 15-5(14)250-C (Seeding)

I-15-5(2)254-C (Structures)

I-15-5(8)250-C (Signing)

I-15-5(4)250-C (12.5 mi Rd-Fence)

I 15 5 (54) 259 C (1.2 mi. Rd.Fen.)

I 15 5 (38) 255-E

I 15 5 (39) 255-R

I 15 5 (45) 255-C (4.9mi. Rd.Str.Sign.Fen.Gr)

I 15 5 (52) 256-C (Str)

I 15-5(19)263-E

I-15-5(29)260 R IC

I-15-5(30)260-(Rd,Fence 70Mi)

I 15-5 (30) 260-C (7mi Pcc,Str,Sign,Light.)

I-IG-15-5

I-IG-15-5

I 15.5(26)271 C

Rd,Str,Sign,Fence

I 15 5(16)267

R-IC

IIG 15 5(24)275 C

Str

I-15-5(42)269-PE

20mi (Drain)

I-15-5(36)2

I-15-5(37)2

I 15 5(36)2

I 15 5(46)2

H11.0.1

H11.0.2

H12

H13

H14

H15

T.18 N.

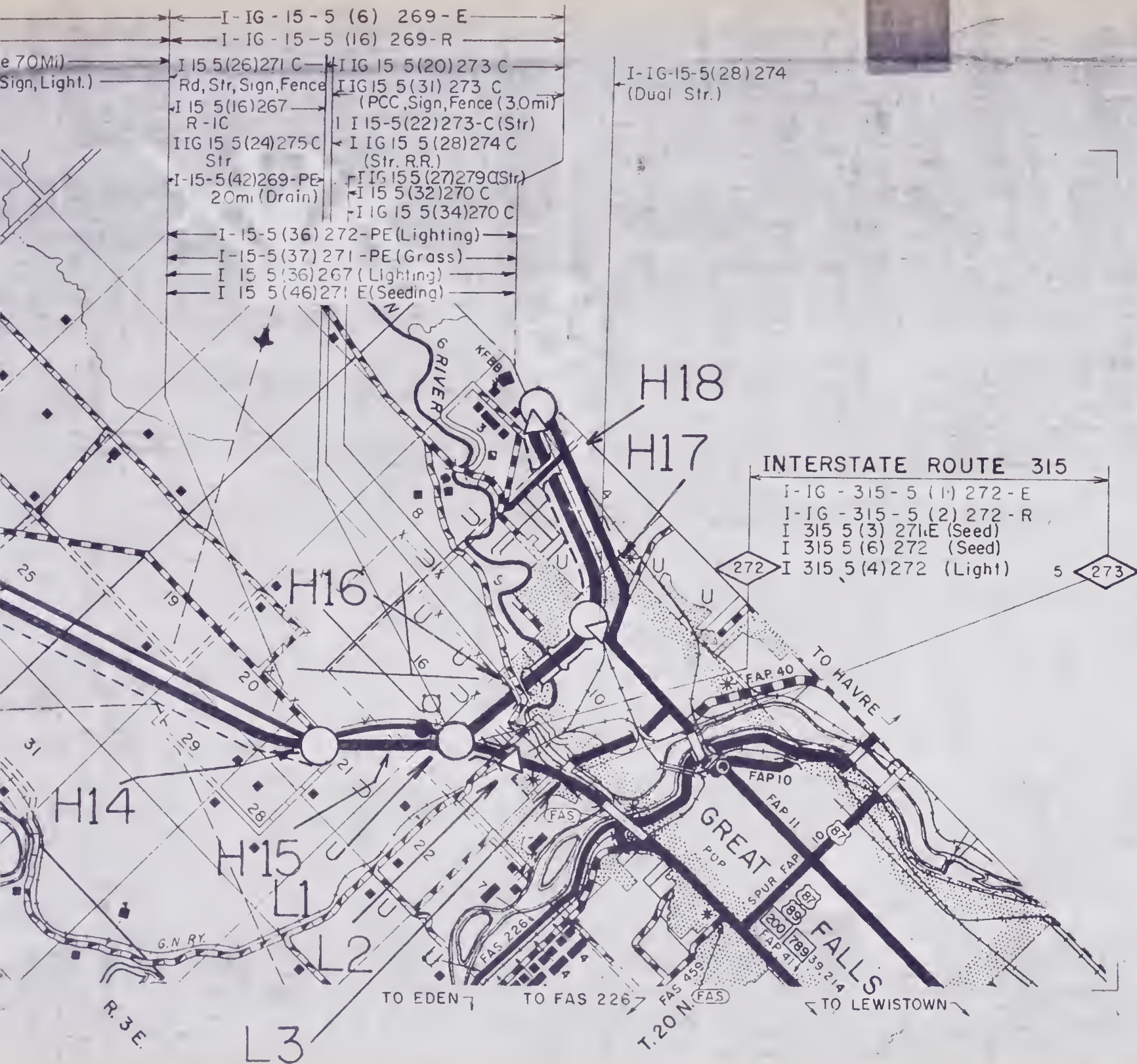
CASCADE CO.

R.2 E.

T.19 N.

R.3 E.

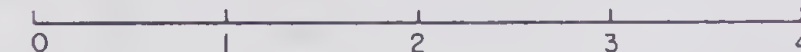
L3



LEGEND FOR INTERSTATE ROUTES

- INTERSTATE LOCATION STEP 4-5
- INTERSTATE LOCATION STEP 1-2-3
- INTERCHANGE
- HIGHWAY GRADE SEPARATION - NO CONNECTION
- RAILROAD GRADE SEPARATION
- COMBINATION HIGHWAY-RAILROAD GRADE SEPARATION
- OTHER BRIDGE
- TUNNEL
- TOLL BRIDGE, TUNNEL, HIGHWAY OR COMBINATION
- FRONTAGE ROAD
- TERMINATED CROSS ROAD
- INTERSECTION AT-GRADE
- URBAN AREA BOUNDARY
- POST MILEAGE
- ROUTE SECTIONS

SCALE IN MILES



MONTANA

INTERSTATE ROUTE 15

Sheet 5 of 8

Date October 31, 1969

INTERSTATE ROUTE 315

(COMPLETE ROUTE ON THIS SHEET.)

I-15-5(7)275 E-R
I 15-5(9)275-C (R.3 mi Rd-Strs)
I 15-5(12)275-C (Signing)
I 15-5(15)275-C(Seeding)
I 15 5 (46) 271 E (Seeding)

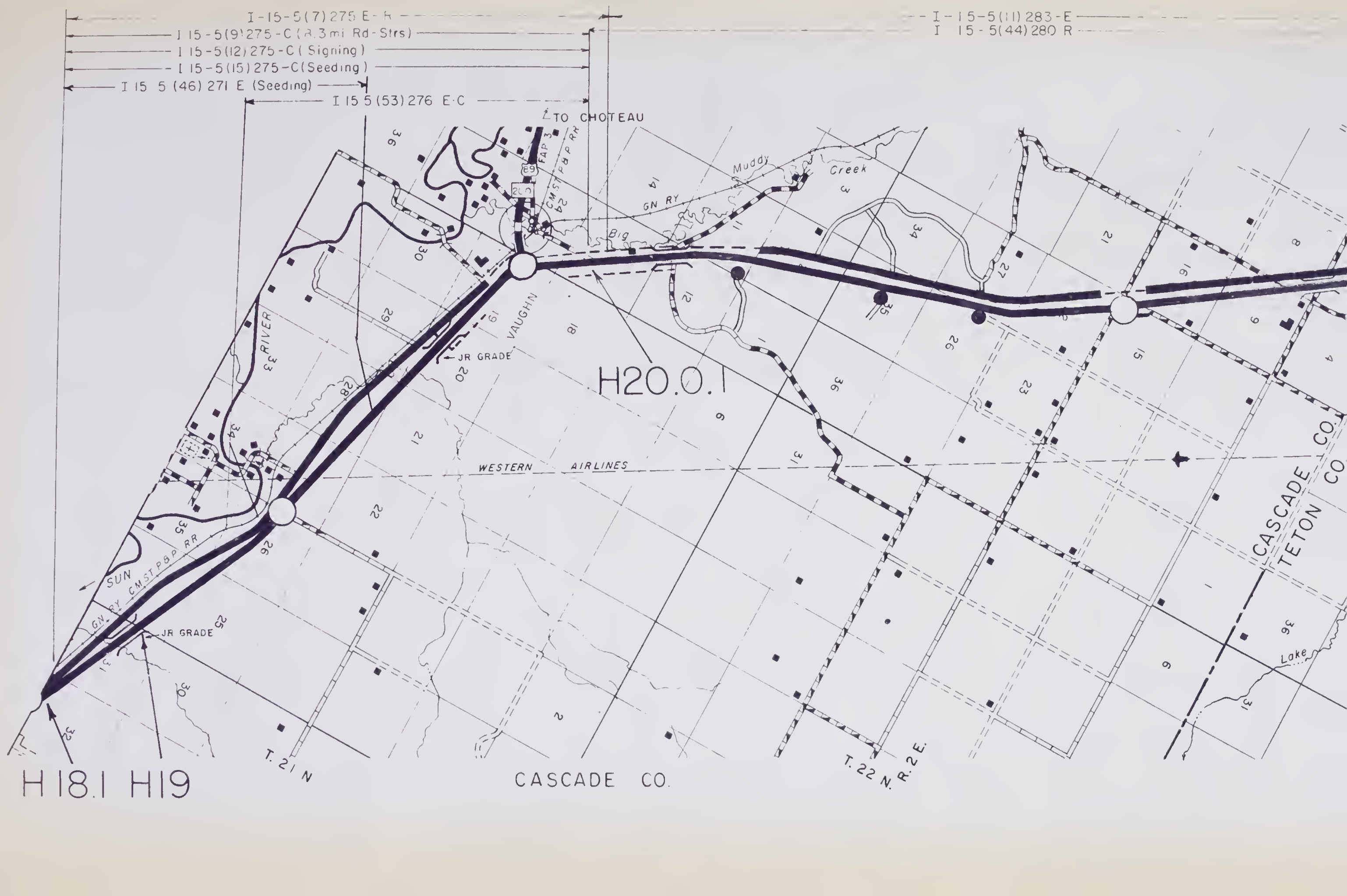
I-15-5(11)283-E
I 15-5(44)280 R

I 15 5 (53) 276 E-C

TO CHOTEAU

H20.0.1

H18.1 H19



I-15-6(3)291-E
I-15-6(1)291 R

I-15-6(2)2

I-15-

I-15-

TO CHOTEA



I-15-6(2)298-E

- I 15-6(4)311-R
- I 15-6(5)311-C (10 mi Rd-Fence)
- I 15-6(6)311-C (Signing-Del)
- I 15-6(7)311-C (Seeding)

- I 15-7(3)312-C (10.5 mi Rd-Str)
- I 15-7(4)312-C (Signing-Del)
- I 15-7(5)312-C (Seeding)
- I 15-7(9)312 PE -

I-15-6(8)307-C (Str)
I-15-6(1)298-E-C (13.8 mi Rd)

I 15-6(9)311-E



H22

H23.1

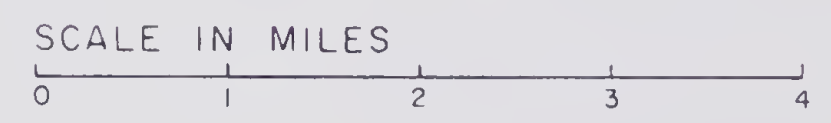
H24 H25.01

TO FARMING AREA PONDERA



LEGEND FOR INTERSTATE ROUTES

- INTERSTATE LOCATION STEP 4-5
- INTERSTATE LOCATION STEP 1-2-3
- INTERCHANGE
- HIGHWAY GRADE SEPARATION - NO CONNECTION
- RAILROAD GRADE SEPARATION
- COMBINATION HIGHWAY-RAILROAD GRADE SEPARATION
- OTHER BRIDGE
- TUNNEL
- TOLL BRIDGE, TUNNEL, HIGHWAY OR COMBINATION
- FRONTAGE ROAD
- TERMINATED CROSS ROAD
- INTERSECTION AT-GRADE
- URBAN AREA BOUNDARY
- POST MILEAGE
- ROUTE SECTIONS



MONTANA

INTERSTATE ROUTE 15

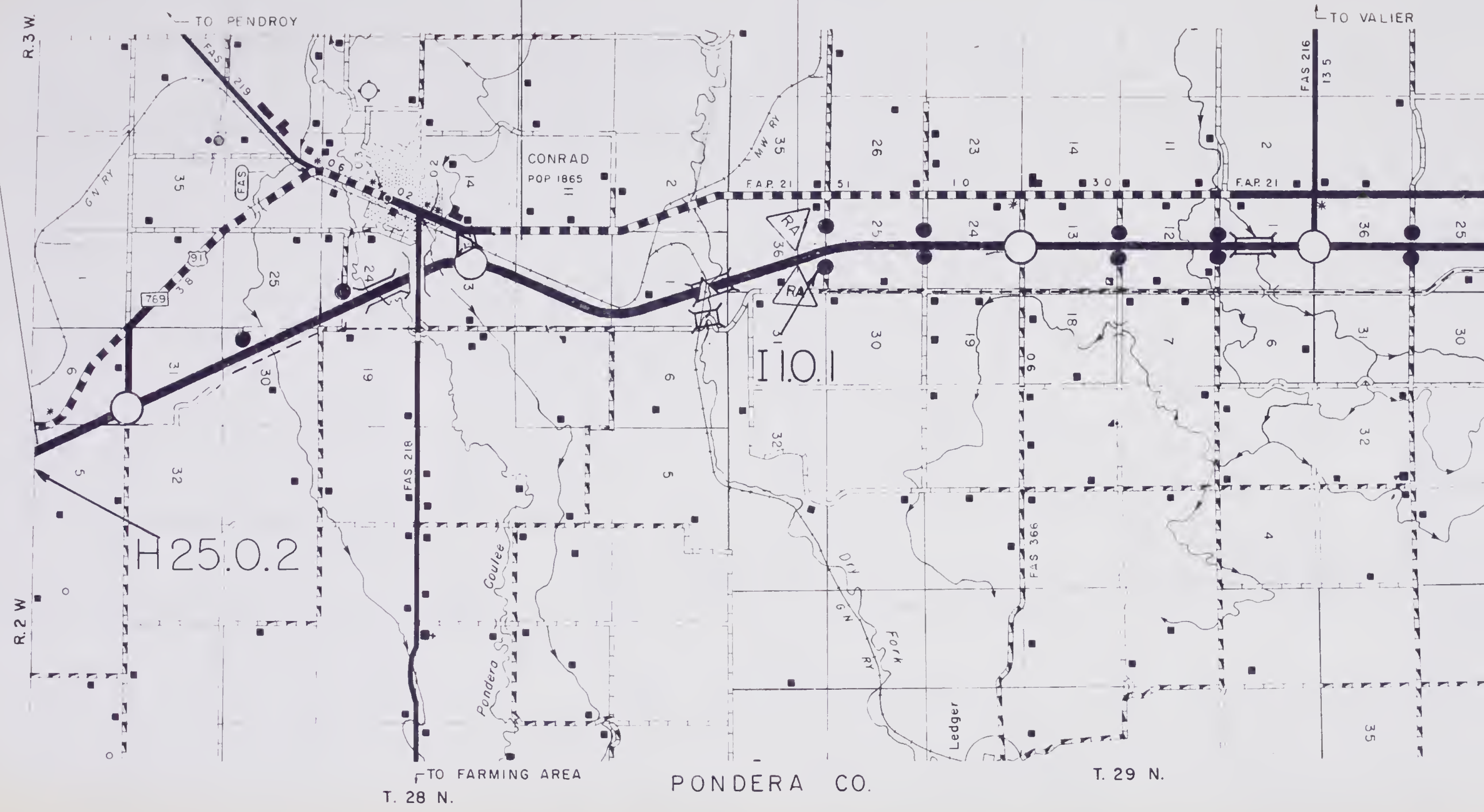
Sheet 6 of 8

Date October 31, 1969

I - IG-15-7 (2) 312 E
I - IG-15-7 (8) 323 PE
I - 15-7 (5) 323-R

I-IG-15 (7) 1 328 C
(Water Well)

I-IG-15-7(1) 328 ER
I-15-7(7) 331-R



I-15-8(5) 343 E
I-15-8(22) 343-R

I-15-8(3) 351-
I-15-8(7) 351-C (Sign)
I-15-8(8) 351-

TO VALIER



T. 30 N.

7 343 8

T. 31 N.

TO CHESTER

T. 32 N.

SHELBY
P.C.P. 3,058

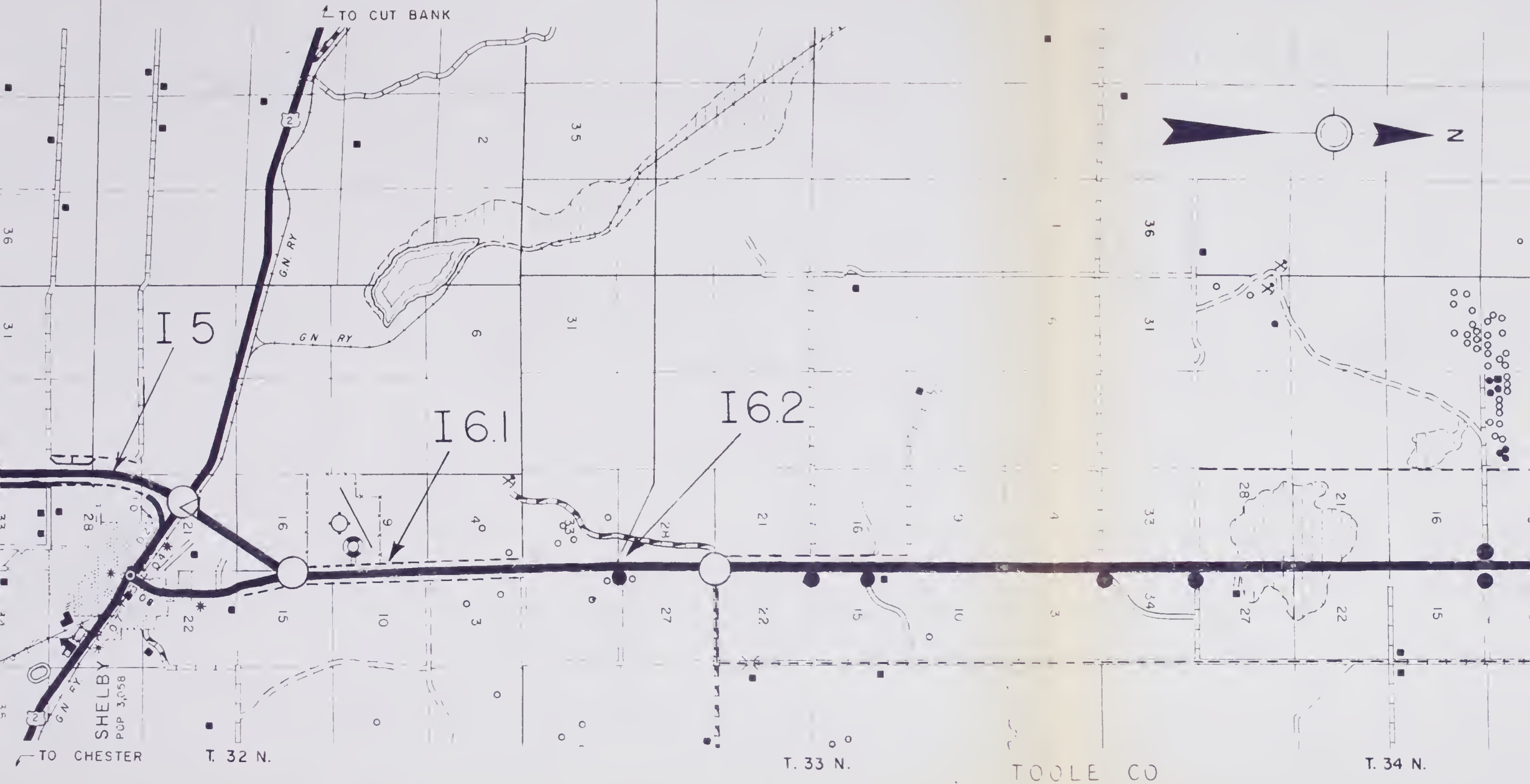
- I-15-8 (4) 357 E.

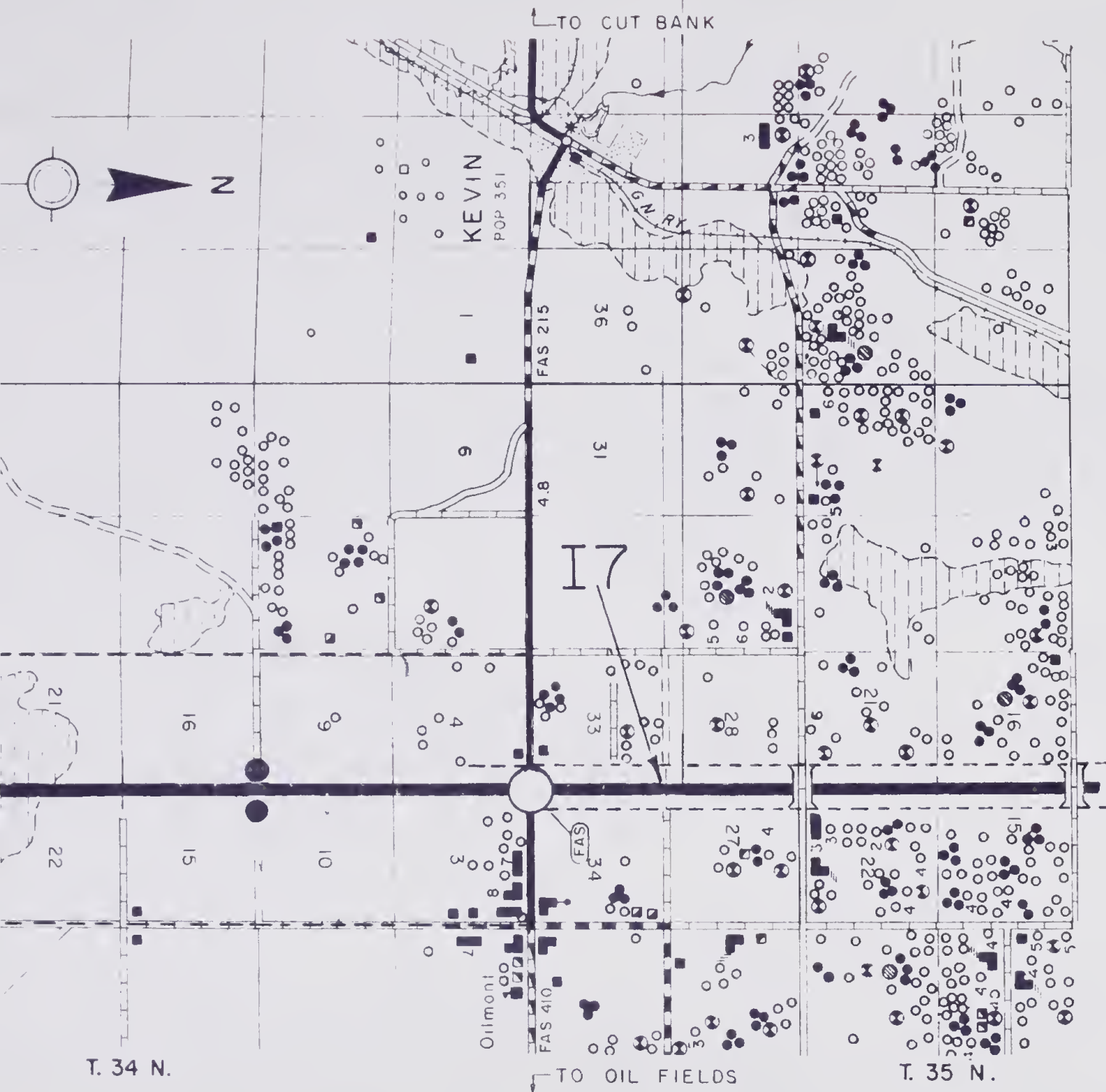
- ! 5.9 2 357-R

i 5-5(14) 357-C(120mi Rd-Str-Fence)

105-8115) 357-C (Seeding)

i 5 2 (13) 346 - E .





LEGEND FOR INTERSTATE ROUTES

- INTERSTATE LOCATION STEP 4 - 5
- INTERSTATE LOCATION STEP 1 - 2 - 3
- INTERCHANGE
- HIGHWAY GRADE SEPARATION - NO CONNECTION
- RAILROAD GRADE SEPARATION
- COMBINATION HIGHWAY-RAILROAD GRADE SEPARATION
- OTHER BRIDGE
- TUNNEL
- TOLL BRIDGE, TUNNEL, HIGHWAY OR COMBINATION
- FRONTAGE ROAD
- TERMINATED CROSS ROAD
- INTERSECTION AT-GRADE
- URBAN AREA BOUNDARY
- POST MILEAGE
- ROUTE SECTIONS

SCALE IN MILES



MONTANA

INTERSTATE ROUTE 15

Sheet 7 of 8

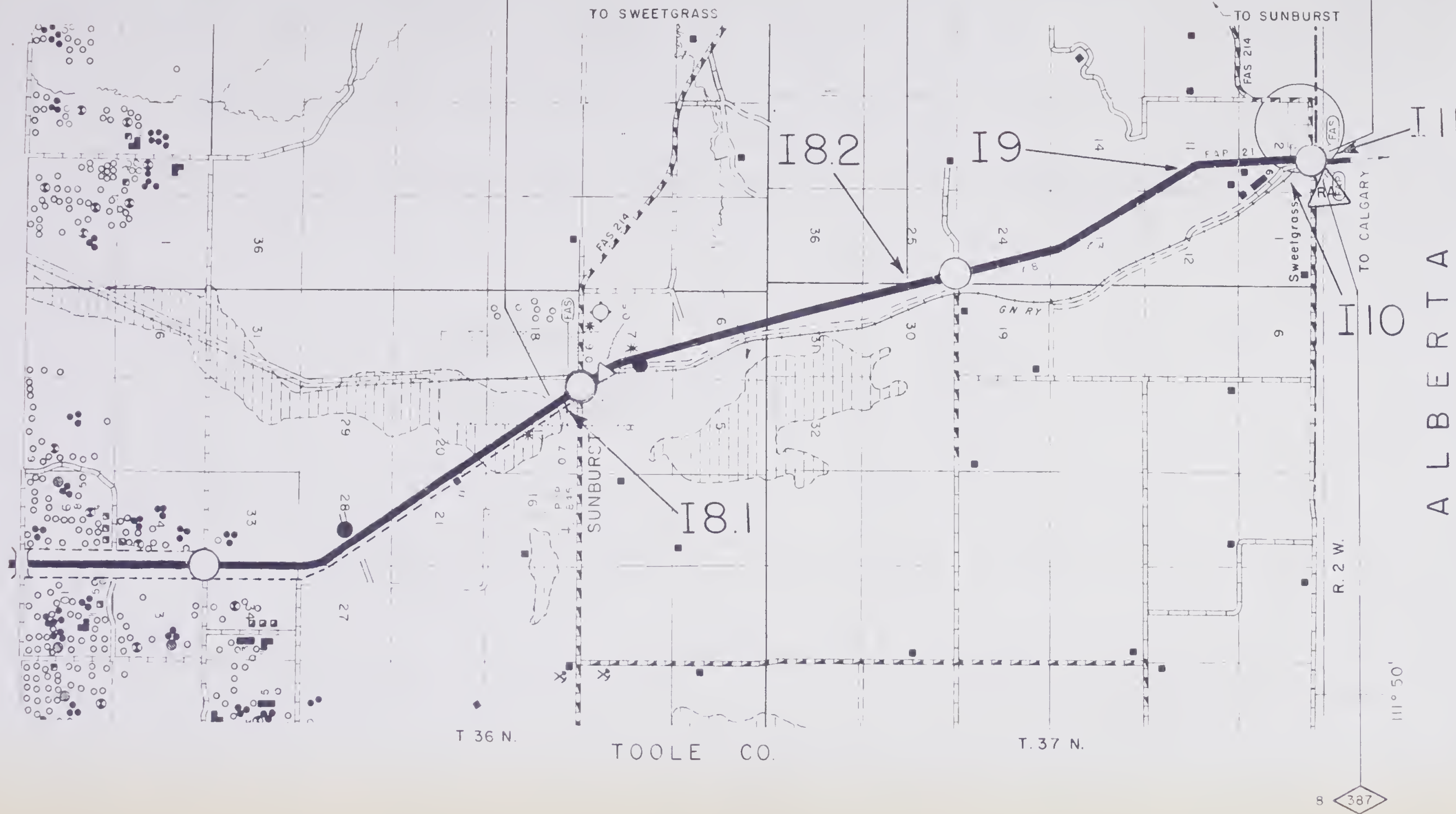
Date October 31, 1969

I-15-8 (4) 357 E -
I 15 8 (13) 369 R -
I-15-8 (17) 369 C (92 Gr, Sign, Seed, Fence)








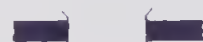







I-1G 15-8 (6) 379-C (4.2 mi Rd-Str)
I-1G 15-8 (9) 379-C (Seeding)
I 15-8 (10) 379 C (Signing)
I 1G-15 8 (20) 379 E

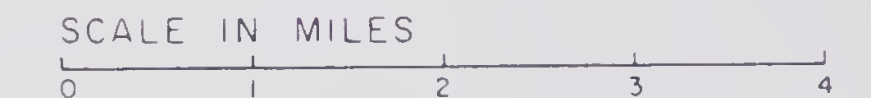
I-ING 15-8 (2) 379 E -R

I 15-8 (11) 383-C (4.5 mi Rd-Str-Fence)
I 15-8 (16) 383-C (Seeding)
I 15-8 (18) 387-C (Light, Signing)



LEGEND FOR INTERSTATE ROUTES

-  INTERSTATE LOCATION STEP 4 - 5
-  INTERSTATE LOCATION STEP 1 - 2 - 3
-  INTERCHANGE
-  HIGHWAY GRADE SEPARATION - NO CONNECTION
-  RAILROAD GRADE SEPARATION
-  COMBINATION HIGHWAY - RAILROAD GRADE SEPARATION
-  OTHER BRIDGE
-  TUNNEL
-  TOLL BRIDGE, TUNNEL, HIGHWAY OR COMBINATION
-  FRONTAGE ROAD
-  TERMINATED CROSS ROAD
-  INTERSECTION AT-GRADE
-  URBAN AREA BOUNDARY
-  POST MILEAGE
-  1 2 ROUTE SECTIONS



MONTANA

INTERSTATE ROUTE 15

Sheet 8 of 8

Date October 31, 1969

TABLE B - DESIGN CLASSIFICATION BY ESTIMATE SECTIONS

STATE MONTANA

INTERSTATE ROUTE NO. 90

Sheet 1 of 12 Sheets

ITEM	ESTIMATE SECTION													
	A1 A2.0.1	A2.0.1 A2.0.2	A2.0.2 A3.1	A3.1 A3.2	A3.2 A3.3	A3.3 A4	A4 A5.1	A5.1 A5.2	A5.2 A6	A6 A7	A7 A8.1	A8.1 A8.2.1	A8.2.1 A8.2.2	A8.2.2 A8.3
	22	22	22	22	22	22	22	22	22	23	23	23	22	23
1. Section Length, miles (0.1)	4.2	3.0	3.7	5.4	5.4	0.2	5.2	4.5	0.9	1.1	0.2	0.9	3.4	4.2
2. Class: Rural or Urban (R or U)	R	R	R	R	R	R	R	R	R	R	R	R	R	R
3. Urban Area identification (name and code)														
4. Location: Existing, new or toll (E, N or T)	E	E	E	E	E	E	E	E	E	N	N	N	E	N
5. Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6. Design speed (V)	50	50	50	50	70	70	50	60	70	70	70	70	60	50
7. Traffic: a. ADT 1967	2000	1983	1983	1968	1990	1954	1983	1995	1995	1887	1887	1887	1887	1897
b. ADT 1975	3850	3850	3850	3800	3850	3750	3850	3850	3850	4050	4050	4050	4050	4050
c. ADT 1990	5400	5350	5350	5300	5350	5300	5350	5400	5400	5650	5650	5650	5650	5650
8. Traffic: a. Design year (19)	90	90	90	90	90	91	91	92	92	92	92	92	92	92
b. ADT Design year	5400	5350	5350	5300	5350	5400	5450	5600	5600	5850	5850	5850	5850	5900
c. DHV Design year	710	700	700	690	700	710	710	730	730	760	760	760	760	770
d. D Directional distribution factors	55	55	55	55	55	55	55	55	55	55	55	55	55	55
e. T Percent trucks design year (DHV)	9	9	9	9	9	9	9	9	9	11	11	11	11	11
f. T Percent trucks design year (ADT)	14	14	14	14	14	14	14	14	14	17	17	17	17	17
g. Assigned Corridor ADT design year														
9. Number of through traffic lanes (Design yr trf)	4	4	4	4	4	4	4	4	4	4	4	4	4	4
10. Mileage without frontage roads	2.7	1.4	0.7	4.8	1.4	0.2	4.2	4.5		1.1	0.2		3.4	0.2
11. Mileage with frontage road one side only	1.5	1.6	3.0	0.6	3.5		1.0		0.3			0.9		4.0
12. Mileage with frontage roads on both sides					0.5				0.6					
13. Typical cross-section reference	41	31	31	31	30	30	30	30	30	30	60	30	30	50
14. Right-of-Way Width: Minimum	300	270	232	215	185	300	300	300	300	300	300	300	300	300
Prevailing	420	450	300	400	340	400	300	300	300	300	300	300	300	300
15. Median Width: Minimum	10	10	10	10	10	10	10	10	46	46	46	46	176	10
Prevailing	10	10	10	76	76	10	10	76	46	46	46	46	240	10

TABLE B - DESIGN CLASSIFICATION BY ESTIMATE SECTIONS

STATE MONTANA

INTERSTATE ROUTE NO. 90

Sheet 2 of 12 Sheets

ITEM	ESTIMATE SECTION													
	A8.3 A9.1	A9.1 A9.2	A9.2 A9.3	A9.3 A10	A10 A11	A11 A12.1	A12.1 A12.2	A12.2 A12.3	A12.3 A13.1	A13.1 A13.3	A13.3 A14	A14 A15.0.1	A15.0.1 A15.0.2	A15.0.2 A16
	22	23	23	23	22	23	23	22	22	23	23	22	23	23
1. Section Length, miles (0.1)	1.4	2.3	1.2	1.8	3.9	5.7	2.1	2.0	1.7	1.5	4.3	3.7	1.1	1.7
2. Class: Rural or Urban (R or U)	R	R	R	R	R	R	R	R	R	R	R	R	R	R
3. Urban Area identification (name and code)														
4. Location: Existing, new or toll (E, N or T)	E	N	N	N	E	N	N	E	E	N	N	E	N	N
5. Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6. Design speed (V)	70	70	70	70	70	70	70	70	70	60	70	60	70	70
7. Traffic: a. ADT 1967	1927	1927	2019	2019	2019	2019	1902	1902	1865	1865	1961	1961	2276	2276
b. ADT 1975	4100	4100	4300	4300	4300	4300	4050	4050	4000	4000	4200	4200	4850	4850
c. ADT 1990	5750	5750	6050	6050	6050	6050	5700	5700	5600	5600	5850	5850	6800	6800
8. Traffic: a. Design year (19)	92	92	75	85	84	85	85	75	93	93	93	93	75	93
b. ADT Design year	6000	6000	4300	5450	5350	5450	5050	4050	5900	5900	6200	6200	4850	7200
c. DHV Design year	790	790	560	710	700	710	660	530	770	770	810	810	640	940
d. D Directional distribution factors	55	55	55	55	55	55	55	55	55	55	55	55	55	55
e. T Percent trucks design year (DHV)	11	11	11	11	11	11	11	11	11	11	11	11	11	11
f. T Percent trucks design year (ADT)	17	17	17	17	17	17	17	17	17	17	17	17	17	17
g. Assigned Corridor ADT design year														
9. Number of through traffic lanes (Design yr trf)	4	4	4	4	4	4	4	4	4	4	4	4	4	4
10. Mileage without frontage roads	1.4							1.1	0.2					
11. Mileage with frontage road one side only					2.4	2.1	2.1	0.9	1.5	1.5	3.3	2.2		1.7
12. Mileage with frontage roads on both sides		2.3	1.2	1.8	1.5	3.6					1.0	1.5	1.1	
13. Typical cross-section reference	40	20	30	30	30	30	30	30	20	20	20	20	30	20
14. Right-of-Way Width: Minimum	260	300	260	260	220	200	270	395	300	300	300	300	260	300
Prevailing	260	300	300	280	250	280	290	400	300	300	300	300	300	300
15. Median Width: Minimum	10	36	36	36	36	36	36	46	46	46	46	10	36	46
Prevailing	10	36	36	36	36	36	36	46	46	150	46	100	46	76

TABLE B - DESIGN CLASSIFICATION BY ESTIMATE SECTIONS

STATE MONTANA

INTERSTATE ROUTE NO. 90

Sheet 3 of 12 Sheets

ITEM	ESTIMATE SECTION													
	A16	A17	A18	A19	A22.1	A22.2	A23.0.1	A23.0.2	A24.1	A24.2	A24.3	A25	A25.1	A25.2
	A17	A18	A19	A22.1	A22.2	A23.0.1	A23.0.2	A24.1	A24.2	A24.3	A25	A25.1	A25.2	A26
	23	22	22	22	23	22	22	22	23	23	23	23	23	23
1. Section Length, miles (0.1)	2.2	0.9	1.1	2.6	2.1	2.6	2.2	3.3	2.0	5.8	1.5	0.5	0.3	1.5
2. Class: Rural or Urban (R or U)	R	R	R	R	R	R	R	R	R	R	R	U*	R	U*
3. Urban Area identification (name and code)												363#		363#
4. Location: Existing, new or toll (E, N or T)	N	E	E	E	N	E	E	E	N	N	N	N	N	N
5. Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6. Design speed (V)	70	70	70	50	70	70	70	70	60	70	70	50	50	50
7. Traffic: a. ADT 1967	2276	2276	2276	2430	2585	2585	2882	2882	2882	3703	3703	3703	3703	5996
b. ADT 1975	4850	4850	4850	5200	5550	5550	6150	6150	6150	8600	8600	8600	8600	13900
c. ADT 1990	6800	6800	6800	7250	7750	7750	8600	8600	8600	12700	12700	12700	12700	20550
8. Traffic: a. Design year (19)	93	93	93	84	89	89	89	89	84	84	85	85	85	85
b. ADT Design year	7200	7200	7200	6450	7600	7600	8450	8450	7650	11050	11350	11350	11350	18350
c. DHV Design year	940	940	940	840	1000	1000	1110	1110	1000	1130	1160	1160	1160	1870
d. D Directional distribution factors	55	55	55	55	55	55	55	55	55	60	60	60	60	60
e. T Percent trucks design year (DHV)	11	11	11	11	11	11	8	8	8	8	8	8	8	8
f. T Percent trucks design year (ADT)	17	17	17	17	17	17	12	12	12	12	12	12	12	12
g. Assigned Corridor ADT design year														
9. Number of through traffic lanes (Design yr trf)	4	4	4	4	4	4	4	4	4	4	4	4	4	4
10. Mileage without frontage roads				0.6						5.8	1.5	0.5	0.3	1.5
11. Mileage with frontage road one side only	2.2	0.9	1.1	2.0				3.3						
12. Mileage with frontage roads on both sides					2.1	2.6	2.2		2.0					
13. Typical cross-section reference	20	20	20	40	30	30	30	30	31	31	31	31	41	41
14. Right-of-Way Width: Minimum	300	300	300	220	300	270	250	280	230	230	260	260	230	260
Prevailing	300	300	300	300	400	310	300	340	280	280	310	300	300	320
15. Median Width: Minimum	46	46	46	8	46	56	46	56	46	46	8	8	8	8
Prevailing	76	76	46	36	46	56	56	76	46	46	76	8	8	8

Missoula

* Section is comparable to a corresponding section in the 1968 Estimate.

TABLE B - DESIGN CLASSIFICATION BY ESTIMATE SECTIONS

STATE MONTANA

INTERSTATE ROUTE NO. 90

Sheet 4 of 12 Sheets

ITEM	ESTIMATE SECTION													
	A26	A27.1	A27.2	A28.2	A29.1	A30.0.1	A30.0.2	A31	A32	A33	A34.0.1	A34.0.2	A34.0.3	A35
	A27.1	A27.2	A28.2	A29.1	A30.0.1	A30.0.2	A31	A32	A33	A34.0.1	A34.0.2	A34.0.3	A35	A36
	23	23	23	22	22	22	21	21	23	21	23	20	23	20
1. Section Length, miles (0.1)	1.7	2.8	9.2	8.9	3.3	3.1	2.6	5.0	4.6	3.0	3.2	0.7	2.8	3.7
2. Class: Rural or Urban (R or U)	R	R	R	R	R	R	R	R	R	R	R	R	R	R
3. Urban Area identification (name and code)														
4. Location: Existing, new or toll (E, N or T)	N	N	N	E	E	E	E	N	N	N	N	N	N	N
5. Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6. Design speed (V)	50	70	70	70	60	70	50	60	50	50	70	50	70	70
7. Traffic: a. ADT 1967	5996	4813	2975	2868	2247	2247	2247	2358	2358	2358	2358	1849	2356	2356
b. ADT 1975	13900	11150	6550	6150	4800	4800	4800	5050	5050	5050	5050	3950	5050	5050
c. ADT 1990	20550	16500	9350	8600	6700	6700	6700	7050	7050	7050	7050	5550	7050	7050
8. Traffic: a. Design year (19)	84	84	75	89	89	89	88	88	88	88	84	84	84	75
b. ADT Design year	17850	14350	6550	8450	6600	6600	6450	6800	6800	6800	6250	4900	6250	5050
c. DHV Design year	1820	1460	860	1120	870	870	850	900	900	900	830	650	830	670
d. D Directional distribution factors	60	60	55	55	55	55	55	55	55	55	55	55	55	55
e. T Percent trucks design year (DHV)	8	8	9	9	9	9	9	9	9	9	9	9	9	9
f. T Percent trucks design year (ADT)	12	12	14	14	14	14	14	14	14	14	14	14	14	14
g. Assigned Corridor ADT design year														
9. Number of through traffic lanes (Design yr trf)	4	4	4	4	4	4	4	4	4	4	4	4	4	4
10. Mileage without frontage roads	1.7			1.0			1.6					0.7		
11. Mileage with frontage road one side only		2.8	3.2	2.0	2.5	3.1	1.0		4.6	3.0	3.2		1.9	3.7
12. Mileage with frontage roads on both sides			6.0	5.9	0.8			5.0					0.9	
13. Typical cross-section reference	41	41	30	30	30	30	30	30	40	40	30	40	30	30
14. Right-of-Way Width: Minimum	200	240	240	185	185	250	240	230	180	155	220	200	235	270
Prevailing	280	290	270	300	280	300	300	290	250	240	300	300	300	310
15. Median Width: Minimum	8	8	46	36	36	76	36	10	10	10	8	8	46	46
Prevailing	8	46	46	76	36	76	36	46	10	46	46	8	46	46

TABLE B - DESIGN CLASSIFICATION BY ESTIMATE SECTIONS

STATE MONTANAINTERSTATE ROUTE NO. 90Sheet 5 of 12 Sheets

ITEM	ESTIMATE SECTION													
	A36 A37	A37 A38	A38 B1	B1 B2.1	B2.1 B2.1.1	B2.1.1 B2.2	B2.2 B3	B3 B5.1	B5.1 B6	B6 B7	B7 B8	B8 B9	B9 B9.1	B9.1 B10
	23	22	23	22	23	23	23	23	23	23	23	23	22	20
1. Section Length, miles (0.1)	5.9	6.0	2.0	4.9	0.5	7.1	1.0	6.8	6.6	4.2	3.5	1.0	7.0	1.1
2. Class: Rural or Urban (R or U)	R	R	R	R	R	R	R	R	R	R	R	R	R	R
3. Urban Area identification (name and code)														
4. Location: Existing, new or toll (E, N or T)	N	E	N	E	N	N	N	N	N	N	N	N	E	E
5. Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6. Design speed (V)	70	70	50	70	70	70	70	70	70	70	70	70	70	70
7. Traffic: a. ADT 1967	2356	2430	2442	2442	2550	2550	2420	2420	2524	2364	3699	3699	4387	4387
b. ADT 1975	5050	5200	5250	5250	5450	5450	5200	5200	5400	5050	8150	8150	9650	9650
c. ADT 1990	7050	7250	7300	7300	7600	7600	7250	7250	7550	7050	11600	11600	13800	13800
8. Traffic: a. Design year (19)	75	90	91	91	94	94	75	90	91	91	75	75	85	88
b. ADT Design year	5050	7250	7450	7450	8200	8200	5200	7250	7700	7200	8150	8150	12350	13200
c. DHV Design year	670	960	980	980	1080	1080	690	960	1020	950	950	950	1450	1550
d. D Directional distribution factors	55	55	55	55	55	55	55	55	55	55	55	55	55	55
e. T Percent trucks design year (DHV)	9	9	9	9	9	9	9	9	9	9	7	7	7	7
f. T Percent trucks design year (ADT)	14	13	13	13	13	13	13	13	13	13	11	11	11	11
g. Assigned Corridor ADT design year														
9. Number of through traffic lanes (Design yr trf)	4	4	4	4	4	4	4	4	4	4	4	4	4	4
10. Mileage without frontage roads		3.0		4.9		1.5					2.8	1.0	2.6	1.1
11. Mileage with frontage road one side only	3.4	3.0	2.0			2.6	1.0	3.2	6.2	3.5	0.2		3.1	
12. Mileage with frontage roads on both sides	2.5				0.5	3.0		3.6	0.4	0.7	0.5		1.3	
13. Typical cross-section reference	30	30	30	30	20	20	30	30	30	30	30	30	30	30
14. Right-of-Way Width: Minimum	285	185	300	300	250	250	280	240	210	215	300	190	200	200
Prevailing	310	370	300	300	250	250	320	300	300	240	320	230	300	220
15. Median Width: Minimum	46	10	76	76	76	56	56	56	56	56	76	46	76	76
Prevailing	46	76	76	76	76	56	56	56	56	76	76	46	100	76

TABLE B - DESIGN CLASSIFICATION BY ESTIMATE SECTIONS

STATE MONTANA

INTERSTATE ROUTE NO. 90

Sheet 5A of 12 Sheets

ITEM	ESTIMATE SECTION												
	B10 B11	B11 B12.1	B12.1 B12.2	B12.2 B12.3	B12.3 B12.3.1								
	22	23	23	23	23								
1. Section Length, miles (0.1)	2.7	1.8	2.0	0.8	0.6								
2. Class: Rural or Urban (R or U)	R	R	U	U	U								
3. Urban Area identification (name and code)			359#	359#	359#								
4. Location: Existing, new or toll (E, N or T)	E	N	N	N	N								
5. Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1								
6. Design speed (V)													
7. Traffic: a. ADT 1967													
b. ADT 1975													
c. ADT 1990													
8. Traffic: a. Design year (19)	COINCIDENT MILEAGE WITH I 15 SEE I 15 FOR DATA												
b. ADT Design year													
c. DHV Design year													
d. D Directional distribution factors													
e. T Percent trucks design year (DHV)													
f. T Percent trucks design year (ADT)													
g. Assigned Corridor ADT design year													
9. Number of through traffic lanes (Design yr trf)													
10. Mileage without frontage roads													
11. Mileage with frontage road one side only													
12. Mileage with frontage roads on both sides													
13. Typical cross-section reference													
14. Right-of-Way Width: Minimum													
Prevailing													
15. Median Width: Minimum													
Prevailing													

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TABLE B - DESIGN CLASSIFICATION BY ESTIMATE SECTIONS

STATE MONTANA

INTERSTATE ROUTE NO. 90

Sheet 6 of 12 Sheets

ITEM	ESTIMATE SECTION													
	B10	B12.3.1	B12.3.2	B13.0.1	B13.0.2	B14.1	B14.2	B15	B16	B17.1	B18	C1	C2	C3.1.1
	B12.3.1	B12.3.2	B13.0.1	B13.0.2	B14.1	B14.2	B15	B16	B17.1	B18	C1	C2	C3.1.1	C3.1.2
		23	23	23	23	23	23	23	20	23	23	21	20	20
1. Section Length, miles (0.1)		3.1	2.6	2.3	4.7	2.4	7.1	2.5	4.9	10.4	4.6	2.4	3.1	1.2
2. Class: Rural or Urban (R or U)		R	R	R	R	R	R	R	R	R	R	R	R	R
3. Urban Area identification (name and code)														
4. Location: Existing, new or toll (E, N or T)		N	N	N	N	N	N	N	E	N	N	N	N	N
5. Mileage increment: Code 1, 2, 3 or 4		1	1	1	1	1	1	1	1	1	1	1	1	1
6. Design speed (V)		60	50	50	50	60	60	70	70	50	60	60	70	70
7. Traffic: a. ADT 1967		2375	1625	1590	1590	1590	1643	1643	1643	1372	1393	1393	2284	2284
b. ADT 1975		5250	3500	3400	3400	3400	3500	3500	3500	2950	3000	3000	4900	4900
c. ADT 1990		7450	4850	4750	4750	4750	4900	4900	4900	4100	4150	4150	6850	6850
8. Traffic: a. Design year (19)		75	84	84	84	84	84	84	87	88	88	88	87	87
b. ADT Design year		5250	4300	4200	4200	4200	4350	4350	4650	3950	4000	4000	6450	6450
c. DHV Design year		980	570	550	550	550	570	570	610	520	530	530	900	900
d. D Directional distribution factors		55	55	55	55	55	55	55	55	55	55	55	55	55
e. T Percent trucks design year (DHV)		10	10	10	10	10	10	10	10	9	9	9	10	10
f. T Percent trucks design year (ADT)		16	16	16	16	16	16	16	16	13	13	13	15	15
g. Assigned Corridor ADT design year														
9. Number of through traffic lanes (Design yr trf)		4	4	4	4	4	4	4	4	4	4	4	4	4
10. Mileage without frontage roads		1.4	2.6	0.8	4.7	0.5	4.6	2.5			4.1	2.4	2.1	1.2
11. Mileage with frontage road one side only		1.7		1.5			2.5		3.4	10.0			1.0	
12. Mileage with frontage roads on both sides						1.9			1.5	0.4	0.5			
13. Typical cross-section reference		31	40	40	40	40	30	30	30	30	30	30	31	31
14. Right-of-Way Width: Minimum		260	260	400	290	240	310	270	250	260	300	310	250	300
Prevailing		360	340	400	350	300	360	360	340	300	320	320	320	300
15. Median Width: Minimum		8	8	8	8	8	76	76	46	10	76	76	76	76
Prevailing		76	8	8	8	8	76	76	46	76	76	76	76	76

TABLE B - DESIGN CLASSIFICATION BY ESTIMATE SECTIONS

STATE MONTANA

INTERSTATE ROUTE NO. 90

Sheet 7 of 12 Sheets

ITEM	ESTIMATE SECTION													
	C3.1.2 C4.2	C4.2 C5.1	C5.1 C5.2	C5.2 C6	C6 C6.1	C6.1 C7.1	C7.1 C7.2	C7.2 C8.1	C8.1 C8.2	C8.2 C9	C9 C10	C10 C11	C11 C11.1	C11.1 C12.1
	23	23	23	23	23	23	23	23	22	22	22	23	23	23
1. Section Length, miles (0.1)	10.7	9.5	8.4	0.8	0.9	0.8	3.0	1.1	4.2	3.1	5.1	3.4	2.3	0.9
2. Class: Rural or Urban (R or U)	R	R	R	R	U*	U*	R	R	R	R	R	R	R	U*
3. Urban Area identification (name and code)					358#	358#								362#
4. Location: Existing, new or toll (E, N or T)	N	N	N	N	N	N	N	N	E	E	E	N	N	N
5. Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6. Design speed (V)	60	70	70	70	70	70	60	70	50	50	50	60	60	60
7. Traffic: a. ADT 1967	2778	3013	3013	1556	1556	3716	3716	3716	2750	2652	2622	2622	2622	2040
b. ADT 1975	5950	6450	6450	3350	3350	7950	7950	7950	5900	5700	5600	5600	5600	4350
c. ADT 1990	8300	9000	9000	4650	4650	11100	11100	11100	8200	7950	7850	7850	7850	6100
8. Traffic: a. Design year (19)	75	84	84	89	89	89	89	75	75	91	91	91	75	75
b. ADT Design year	5950	8000	8000	4550	4550	10950	10950	7950	5900	8100	8000	8000	5600	4350
c. DHV Design year	830	1110	1110	630	630	1520	1520	1100	820	1130	1110	1110	780	600
d. D Directional distribution factors	55	55	55	55	55	55	55	55	55	55	55	55	55	55
e. T Percent trucks design year (DHV)	8	8	8	8	8	10	10	10	10	10	10	10	10	10
f. T Percent trucks design year (ADT)	12	12	12	12	12	15	15	15	15	15	15	15	15	15
g. Assigned Corridor ADT design year														
9. Number of through traffic lanes (Design yr trf)	4	4	4	4	4	4	4	4	4	4	4	4	4	4
10. Mileage without frontage roads	7.2	5.0	5.2	0.8	0.9	0.2			4.2	2.4			0.7	0.9
11. Mileage with frontage road one side only	3.5	4.5	3.2			0.6	3.0	1.1		0.7	5.1	3.4	1.6	
12. Mileage with frontage roads on both sides														
13. Typical cross-section reference	31	31	31	31	31	31	31	30	42	30	30	30	30	30
14. Right-of-Way Width: Minimum	300	300	300	220	220	220	220	300	300	320	280	280	300	300
Prevailing	300	300	300	270	270	270	270	300	300	380	500	500	300	300
15. Median Width: Minimum	76	76	76	36	36	36	36	10	10	76	46	46	46	46
Prevailing	76	76	76	36	36	36	36	10	10	76	76	76	46	46

Bozeman 358
Livingston 362
* Section is comparable to a corresponding section in the 1968 Estimate.

TABLE B - DESIGN CLASSIFICATION BY ESTIMATE SECTIONS

STATE MONTANA

INTERSTATE ROUTE NO. 90

Sheet 8 of 12 Sheets

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TABLE B - DESIGN CLASSIFICATION BY ESTIMATE SECTIONS

STATE MONTANA

INTERSTATE ROUTE NO. 90

Sheet 9 of 12 Sheets

ITEM	ESTIMATE SECTION													
	D5.3 D6	D6 D7.1	D7.1 D7.2	D7.2 D8	D8 D8.1	D8.1 D9	D9 D9.1	D9.1 D10.1	D10.1 D10.2	D10.2 D11	D11 D12	D12 D13.1	D13.1 D13.2	D13.2 D13.3
	22	23	22	23	23	23	23	23	23	23	23	23	23	22
1. Section Length, miles (0.1)	3.0	3.0	1.5	8.2	1.3	4.2	3.1	6.1	3.1	3.1	4.9	3.9	1.4	5.2
2. Class: Rural or Urban (R or U)	R	R	R	R	R	R	R	R	R	R	R	R	R	R
3. Urban Area identification (name and code)														
4. Location: Existing, new or toll (E, N or T)	E	N	E	N	N	N	N	N	N	N	N	N	N	E
5. Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6. Design speed (V)	70	60	70	50	60	60	60	60	70	70	70	70	70	70
7. Traffic: a. ADT 1967	1890	1921	1921	2168	2168	2603	2603	2603	2603	2970	2970	3958	6148	6148
b. ADT 1975	4050	4100	4100	4650	4650	5550	5550	5550	5550	6550	6550	9200	14250	14250
c. ADT 1990	5650	5750	5750	6500	6500	7800	7800	7800	7800	9350	9350	13600	21100	21100
8. Traffic: a. Design year (19)	93	93	90	90	90	89	89	89	89	85	85	75	75	75
b. ADT Design year	6000	6100	5750	6500	6500	7650	7650	7650	7650	8400	8400	9200	14250	14250
c. DHV Design year	830	850	800	900	900	830	830	830	830	920	920	1000	1550	1550
d. D Directional distribution factors	55	55	55	55	55	55	55	55	55	55	55	60	60	60
e. T Percent trucks design year (DHV)	11	11	11	11	11	11	11	11	11	11	11	8	8	8
f. T Percent trucks design year (ADT)	16	16	16	16	16	16	16	16	16	16	16	13	13	13
g. Assigned Corridor ADT design year														
9. Number of through traffic lanes (Design yr trf)	4	4	4	4	4	4	4	4	4	4	4	4	4	4
10. Mileage without frontage roads	1.0	1.8	0.1								1.3			
11. Mileage with frontage road one side only	2.0	1.2	1.4	6.5	0.6	4.2	3.1	4.6	1.0	1.7	3.6		0.2	
12. Mileage with frontage roads on both sides				1.7	0.7			1.5	2.1	1.4		3.9	1.2	5.2
13. Typical cross-section reference	20	20	20	30	30	30	30	30	30	30	30	30	30	30
14. Right-of-Way Width: Minimum	250	250	260	210	300	300	300	300	300	300	300	300	300	300
Prevailing	300	300	350	500	300	300	300	300	300	300	300	300	300	300
15. Median Width: Minimum	46	46	76	76	76	76	46	46	46	46	50	50	50	50
Prevailing	46	46	76	76	76	76	46	46	46	46	50	50	50	50

TABLE B - DESIGN CLASSIFICATION BY ESTIMATE SECTIONS

STATE MONTANAINTERSTATE ROUTE NO. 90Sheet 10 of 12 Sheets

ITEM	ESTIMATE SECTION													
	D13.3 D14.0.1	D14.0.1 D14.0.2	D14.0.2 D14.0.3	D14.0.3 D15.1	D15.1 D15.2	D15.2 D15.3	D15.3 D16=ML	M1 M2	M2 M3	M3 M4	M4 M5	M5 M6	M6 M7	M7 M8.0.1
	22	23	23	23	23	23	23	23	23	23	23	23	23	21
1. Section Length, miles (0.1)	0.9	1.2	3.0	2.4	1.2	2.0	1.6	6.0	5.5	2.5	2.3	4.3	8.6	6.2
2. Class: Rural or Urban (R or U)	U*	U*	U*	U*	U*	U*	R	R	R	R	R	R	R	R
3. Urban Area identification (name and code)	356#	356#	356#	356#	356#	356#								
4. Location: Existing, new or toll (E, N or T)	E	N	N	N	N	N	N	N	N	N	N	N	N	N
5. Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6. Design speed (V)	70	70	70	70	60	70	70	50	50	70	60	60	60	60
7. Traffic: a. ADT 1967	6148	2179	2179	2604	3891	3891	3891	1706	1680	1680	1625	1625	1650	1650
b. ADT 1975	14250	5050	5050	6050	8550	8550	8550	3650	3600	3600	3500	3500	3550	3550
c. ADT 1990	21100	7450	7450	8950	12200	12200	12200	5100	5000	5000	4850	4850	4950	4950
8. Traffic: a. Design year (19)	75	75	84	84	84	85	85	88	90	90	90	90	90	88
b. ADT Design year	14250	5050	6500	7750	10750	10950	10950	4900	5000	5000	4850	4850	4950	4750
c. DHV Design year	1550	550	710	840	1170	1190	1190	640	660	660	640	640	650	620
d. D Directional distribution factors	60	60	60	60	55	55	55	55	55	55	55	55	55	55
e. T Percent trucks design year (DHV)	8	8	8	8	8	8	8	11	11	11	11	11	11	11
f. T Percent trucks design year (ADT)	13	13	13	13	13	13	13	17	17	17	17	17	17	17
g. Assigned Corridor ADT design year														
9. Number of through traffic lanes (Design yr trf)	4	4	4	4	4	4	4	4	4	4	4	4	4	4
10. Mileage without frontage roads					0.9			3.0			2.3	3.0	5.4	
11. Mileage with frontage road one side only		1.2	1.1	2.4	0.3			3.0	3.7	2.5		1.3	1.0	5.2
12. Mileage with frontage roads on both sides	0.9		1.9			2.0	1.6		1.8				2.2	1.0
13. Typical cross-section reference	30	30	30	30	30	30	30	30	30	30	30	30	30	30
14. Right-of-Way Width: Minimum	300	300	300	300	300	300	300	310	375	375	375	300	300	300
Prevailing	300	300	300	300	300	300	300	340	400	400	400	430	430	300
15. Median Width: Minimum	50	50	50	50	50	50	50	46	76	76	76	76	76	76
Prevailing	50	50	50	50	50	50	50	76	76	76	76	176	176	76

Billings

* Section is comparable to a corresponding section in the 1968 Estimate.

TABLE B - DESIGN CLASSIFICATION BY ESTIMATE SECTIONS

STATE MONTANA

INTERSTATE ROUTE NO. 90

Sheet 11 of 12 Sheets

ITEM	ESTIMATE SECTION													
	M8.0.1 M9	M9 M10	M10 M11	M11 M12	M12 M13	M13 M14	M14 M15	M15 M15.1	M15.1 M16	M16 M17	M17 M18	M18 M19	M19 M20	M20 M21
	23	22	22	22	22	22	22	22	23	23	23	23	23	23
1. Section Length, miles (0.1)	8.0	2.4	0.7	5.1	0.9	1.7	0.8	4.6	2.0	10.4	1.4	12.7	5.6	4.6
2. Class: Rural or Urban (R or U)	R	R	R	R	R	R	R	R	R	R	R	R	R	R
3. Urban Area identification (name and code)														
4. Location: Existing, new or toll (E, N or T)	N	E	E	E	E	E	E	E	N	N	N	N	N	N
5. Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6. Design speed (V)	70	70	70	70	70	70	70	70	70	70	70	60	60	60
7. Traffic: a. ADT 1967	2609	2609	2609	2507	2559	2559	1446	1446	1446	1373	1373	1299	1299	1137
b. ADT 1975	5600	5600	5600	5350	5500	5500	3100	3100	3100	2950	2950	2800	2800	2450
c. ADT 1990	7800	7800	7800	7500	7650	7650	4300	4300	4300	4100	4100	3900	3900	3400
8. Traffic: a. Design year (19)	88	88	75	93	75	91	75	91	91	92	92	93	92	92
b. ADT Design year	7500	7500	5600	7950	5500	7800	3100	4400	4400	4250	4250	4100	4050	3550
c. DHV Design year	980	980	730	1040	720	1020	410	580	580	560	560	540	530	470
d. D Directional distribution factors	55	55	55	55	55	55	55	55	55	55	55	55	55	55
e. T Percent trucks design year (DHV)	8	8	8	8	8	8	10	10	10	10	10	10	10	10
f. T Percent trucks design year (ADT)	13	13	13	13	13	13	15	15	15	15	15	15	15	16
g. Assigned Corridor ADT design year														
9. Number of through traffic lanes (Design yr trf)	4	4	4	4	4	4	4	4	4	4	4	4	4	4
10. Mileage without frontage roads									0.7					
11. Mileage with frontage road one side only	2.5				0.4	1.0	0.8		1.3	10.4	1.4	12.7	5.6	4.6
12. Mileage with frontage roads on both sides	5.5	2.4	0.7	5.1	0.5	0.7		4.6						
13. Typical cross-section reference	30	20	30	20	50	30	20	20	30	30	30	30	30	30
14. Right-of-Way Width: Minimum	270	270	300	240	300	300	320	320	320	300	300	300	300	300
Prevailing	300	300	300	240	300	300	320	320	320	500	500	500	500	500
15. Median Width: Minimum	56	56	56	56	26	56	46	46	46	76	76	76	76	76
Prevailing	56	56	56	56	26	56	46	46	46	76	76	76	76	76

TABLE B - DESIGN CLASSIFICATION BY ESTIMATE SECTIONS

STATE MONTANA

INTERSTATE ROUTE NO. 90

Sheet 12 of 12 Sheets

ITEM	ESTIMATE SECTION										SUBTOTAL		TOTAL FOR ROUTE
											RURAL	URBAN	
1. Section Length, miles (0.1)											527.1	15.3	542.4
2. Class: Rural or Urban (R or U)													
3. Urban Area identification (name and code)													
4. Location: Existing, new or toll (E, N or T)													
5. Mileage increment: Code 1, 2, 3 or 4													
6. Design speed (V)													
7. Traffic: a. ADT 1967													
b. ADT 1975													
c. ADT 1990													
8. Traffic: a. Design year (19)													
b. ADT Design year													
c. DHV Design year													
d. D Directional distribution factors													
e. T Percent trucks design year (DHV)													
f. T Percent trucks design year (ADT)													
g. Assigned Corridor ADT design year													
9. Number of through traffic lanes (Design yr trf)													
10. Mileage without frontage roads											141.1	4.9	146.0
11. Mileage with frontage road one side only											269.6	5.6	275.2
12. Mileage with frontage roads on both sides											116.4	4.8	121.2
13. Typical cross-section reference													
14. Right-of-Way Width: Minimum													
Prevailing													
15. Median Width: Minimum													
Prevailing													

Signature: *Lewis H. Stewart*

State: Montana Name: Lewis H. Stewart Title: State Highway Engineer Date: March 1, 1970

H. N. Stewart

BPR: Montana Name: H. N. Stewart Title: Division Engineer Date: March 1, 1970

TABLE C - COST ESTIMATE BY ESTIMATE SECTIONS WITH ROUTE TOTALS

STATE MONTANAINTERSTATE ROUTE NO. 90
Sheet 1 of 12 Sheets

ITEM	ESTIMATE SECTION & FINANCE CODE													
	A1 A2.0.1	A2.0.1 A2.0.2	A2.0.2 A3.1	A3.1 A3.2	A3.2 A3.3	A3.3 A4	A4 A5.1	A5.1 A5.2	A5.2 A6	A6 A7	A7 A8.1	A8.1 A8.2.1	A8.2.1 A8.2.2	A8.2.2 A8.3
	22	22	22	22	22	22	22	22	22	23	23	23	22	23
Section Length, miles (0.1)	4.2	3.0	3.7	5.4	5.4	0.2	5.2	4.5	0.9	1.1	0.2	0.9	3.4	4.2
Class: Rural or Urban (R or U)	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Urban Area identification (name and code)														
Location: Existing, new or toll (E, N or T)	E	E	E	E	E	E	E	E	E	N	N	N	E	N
Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
No. Lanes to be constructed this estimate	4	4	4	4	4	4	4	4	4	4	4	4	4	4
No. Lanes to be improved this estimate	0	0	0	0	0	0	0	0	0	0	0	0	0	0
No. through traffic lanes	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Status of improvement October 31, 1969	4a(1)	4a(1)	4a(1)	4a(1)	4a(1)	4a(1)	4a(3)	4a(3)	4a(1)	4a(1)	4a(1)	4a(1)	4a(3)	4a(3)
WORK CLASSIFICATION														
1. Preliminary Engineering	60	43	52											
2. Right-of-Way														
a. Right-of-Way and acquisition							22	29	143	35	9	47	24	96
b. Relocation payments									25					
3. Clear & grub; demolition	190	136	167	244	244	9	235	204	41	50		41	154	158
4. Utility adjustments							40	51	16	16	8	16	48	25
5. Grade & drain; minor structures	2342	1135	1253	1871	349	124	3242	2447	184	332		175	673	688
6. Subbase; base; surfacing; shoulders	884	579	693	1062	743	27	705	603	135	156		172	612	521
7. R.R. grade separations	138	292												476
8. Highway grade separations without ramps		105							171					
9. Interchanges	829	267	281	272	259	259	289	589		291				91
10. Other bridges; tunnels			405				2879	1665	155	642	1841			2205
11. Walls							63							
12. Traffic control and safety improvements														
a. Guardrail; fencing; lighting; traffic control devices	218	176	230	158	114	12	221	197	70	107		22	130	142
b. Motorist service signs														
c. Safety improvements on completed sections														
13. Roadside improvement														
a. Erosion Control	32	23	28	41	41		39	34	7	8		7	26	32
b. Landscaping														
c. Rest Areas		175				104								
d. Scenic overlooks														
14. All other items			424				200	150	38					57
15. Subtotal, lines 3 to 14	4633	2888	3481	3648	1750	535	7913	5940	817	1602	1849	433	1643	4395
16. Construction Engineering & Contingencies, 10% of Line 15	463	289	348	365	175	54	791	594	82	160	185	43	164	440
17. Total Cost of Construction, Lines 15 & 16	5096	3177	3829	4013	1925	589	8704	6534	899	1762	2034	476	1807	4835
18. Total Estimate Cost, line 1, 2 & 17	5156	3220	3881	4013	1925	589	8726	6563	1067	1797	2043	523	1831	4931

TABLE C - COST ESTIMATE BY ESTIMATE SECTIONS WITH ROUTE TOTALS

STATE MONTANAINTERSTATE ROUTE NO. 90
Sheet 2 of 12 Sheets

ITEM	ESTIMATE SECTION & FINANCE CODE													
	A8.3	A9.1	A9.2	A9.3	A10	A11	A12.1	A12.2	A12.3	A13.1	A13.3	A14	A15.0.1	A15.0.2
	A9.1	A9.2	A9.3	A10	A11	A12.1	A12.2	A12.3	A13.1	A13.3	A14	A15.0.1	A15.0.2	A16
	22	23	23	23	22	23	23	22	22	23	23	22	23	23
Section Length, miles (0.1)	1.4	2.3	1.2	1.8	3.9	5.7	2.1	2.0	1.7	1.5	4.3	3.7	1.1	1.7
Class: Rural or Urban (R or U)	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Urban Area identification (name and code)														
Location: Existing, new or toll (E, N or T)	E	N	N	N	E	N	N	E	E	N	N	E	N	N
Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
No. Lanes to be constructed this estimate	2	2							2	2	2	2		2
No. Lanes to be improved this estimate	0	0	0	0	0	0	0	0	0	0	0	0	0	0
No. through traffic lanes	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Status of improvement October 31, 1969	2a(2)f	2a(2)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	2a(2)f	2a(2)f	2a(2)f	2a(2)f	1a(1)f	2a(2)f
WORK CLASSIFICATION														
1. Preliminary Engineering	1	1	2			1		1	24	22	63	53	2	36
2. Right-of-Way														
a. Right-of-Way and acquisition	16	24							8	3	39	9		5
b. Relocation payments														
3. Clear & grub; demolition	23	46							18	23	99	46		
4. Utility adjustments		130							5	2	18	5		5
5. Grade & drain; minor structures	249	323							286	194	630	486		112
6. Subbase; base; surfacing; shoulders	151	163							140	100	296	305		114
7. R.R. grade separations										498	89			
8. Highway grade separations without ramps		42												
9. Interchanges	91										152			
10. Other bridges; tunnels	2415	685								1014	602			
11. Walls														
12. Traffic control and safety improvements														
a. Guardrail; fencing; lighting; traffic control devices	68	51							19	26	45	92		29
b. Motorist service signs														
c. Safety improvements on completed sections	11	19	27	4	8	16	3	23	8	14	19		27	14
13. Roadside improvement														
a. Erosion Control	9	10							8	7		17		8
b. Landscaping														
c. Rest Areas														
d. Scenic overlooks														
14. All other items	300										5	5		
15. Subtotal, lines 3 to 14	3317	1469	27	4	8	16	3	23	484	1878	1955	956	27	282
16. Construction Engineering & Contingencies, 10% of Line 15	332	147	3		1	2		2	48	188	196	96	3	28
17. Total Cost of Construction, Lines 15 & 16	3649	1616	30	4	9	18	3	25	532	2066	2151	1052	30	310
18. Total Estimate Cost, line 1, 2 & 17	3666	1641	32	4	9	19	3	26	564	2091	2253	1114	32	351

TABLE C - COST ESTIMATE BY ESTIMATE SECTIONS WITH ROUTE TOTALS

STATE MONTANAINTERSTATE ROUTE NO. 90
Sheet 3 of 12 Sheets

ITEM	ESTIMATE SECTION & FINANCE CODE													
	A16 A17	A17 A18	A18 A19	A19 A22.1	A22.1 A22.2	A22.2 A23.0.1	A23.0.1 A23.0.2	A23.0.2 A24.1	A24.1 A24.2	A24.2 A24.3	A24.3 A25	A25 A25.1	A25.1 A25.2	A25.2 A26
Section Length, miles (0.1)	23 2.2	22 0.9	22 1.1	22 2.6	23 2.1	22 2.6	22 2.2	22 3.3	23 2.0	23 5.8	23 1.5	23 0.5	23 0.3	23 1.5
Class: Rural or Urban (R or U)	R	R	R	R	R	R	R	R	R	R	R	U	R	U
Urban Area identification (name and code)												363#		363#
Location: Existing, new or toll (E, N or T)	N	E	E	E	N	E	E	E	N	N	N	N	N	N
Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
No. Lanes to be constructed this estimate	2	2	2		4	4	4	4						
No. Lanes to be improved this estimate	0	0	0	0	0	0	0	0	0	0	0	0	0	0
No. through traffic lanes	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Status of improvement October 31, 1969	2a(2)f	2a(2)f	2a(2)f	1a(1)f	4a(1)	4a(1)	4a(1)	4a(1)	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f
WORK CLASSIFICATION														
1. Preliminary Engineering	1	1	1	5						6	1		1	6
2. Right-of-Way														
a. Right-of-Way and acquisition	26	11	11											
b. Relocation payments														
3. Clear & grub; demolition	46													
4. Utility adjustments	11	5	5											
5. Grade & drain; minor structures	625	102	125		271	338	291	469						
6. Subbase; base; surfacing; shoulders	134	60	74		370	458	387	596						
7. R.R. grade separations														
8. Highway grade separations without ramps	60	54						89						
9. Interchanges					305		305							
10. Other bridges; tunnels			969											
11. Walls														
12. Traffic control and safety improvements														
a. Guardrail; fencing; lighting; traffic control devices	36	10	18		46	54	47	74	14					
b. Motorist service signs														
c. Safety improvements on completed sections	14	15	15	79						101	11	4	11	103
13. Roadside improvement														
a. Erosion Control	10	4	5		16	20	17	25						
b. Landscaping														
c. Rest Areas														
d. Scenic overlooks														
14. All other items		62						89						
15. Subtotal, lines 3 to 14	936	312	1211	79	1008	870	1047	1342	14	101	11	4	11	103
16. Construction Engineering & Contingencies, 10% of Line 15	94	31	121	8	101	87	105	134	1	10	1		1	10
17. Total Cost of Construction, Lines 15 & 16	1030	343	1332	87	1109	957	1152	1476	15	111	12	4	12	113
18. Total Estimate Cost, line 1, 2 & 17	1057	355	1344	92	1109	957	1152	1476	15	117	13	4	13	119

Missoula

TABLE C - COST ESTIMATE BY ESTIMATE SECTIONS WITH ROUTE TOTALS

STATE MONTANA

INTERSTATE ROUTE NO. 90
Sheet 4 of 12 Sheets

ITEM	ESTIMATE SECTION & FINANCE CODE													
	A26 A27.1	A27.1 A27.2	A27.2 A28.2	A28.2 A29.1	A29.1 A30.0.1	A30.0.1 A30.0.2	A30.0.2 A31	A31 A32	A32 A33	A33 A34.0.1	A34.0.1 A34.0.2	A34.0.2 A34.0.3	A34.0.3 A35	A35 A36
	23	23	23	22	22	22	21	21	23	21	23	20	23	20
Section Length, miles (0.1)	1.7	2.8	9.2	8.9	3.3	3.1	2.6	5.0	4.6	3.0	3.2	0.7	2.8	3.7
Class: Rural or Urban (R or U)	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Urban Area identification (name and code)														
Location: Existing, new or toll (E, N or T)	N	N	N	E	E	E	E	N	N	N	N	N	N	N
Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
No. Lanes to be constructed this estimate	0	0	0	4	0	0	0	0	0	0	0	0	0	0
No. Lanes to be improved this estimate	0	0	0	0	0	0	0	0	0	0	0	0	0	0
No. through traffic lanes	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Status of improvement October 31, 1969	1a(1)f	1a(1)f	1a(1)f	4a(1)	3a(2)	3a(2)	3a(2)	3a(2)	3a(1)	3a(1)	1a(1)f	1a(1)f	1a(1)f	1a(1)f
WORK CLASSIFICATION														
1. Preliminary Engineering	4	1		25	6	1					1		1	
2. Right-of-Way														
a. Right-of-Way and acquisition														
b. Relocation payments														
3. Clear & grub; demolition														
4. Utility adjustments														
5. Grade & drain; minor structures				2059										
6. Subbase; base; surfacing; shoulders				1270										
7. R.R. grade separations														
8. Highway grade separations without ramps					191									
9. Interchanges				684										
10. Other bridges; tunnels														
11. Walls														
12. Traffic control and safety improvements														
a. Guardrail; fencing; lighting; traffic control devices				190										
b. Motorist service signs														
c. Safety improvements on completed sections	63	22	8		22	11				21			17	
13. Roadside improvement														
a. Erosion Control				67										
b. Landscaping														
c. Rest Areas				175					118					
d. Scenic overlooks														
14. All other items				319	100									
15. Subtotal, lines 3 to 14	63	22	8	4764	313	11			118		21		17	
16. Construction Engineering & Contingencies, 10% of Line 15	6	2	1	476	31	1			12		2		2	
17. Total Cost of Construction, Lines 15 & 16	69	24	9	5240	344	12			130		23		19	
18. Total Estimate Cost, line 1, 2 & 17	73	25	9	5265	350	13			130		24		20	

TABLE C - COST ESTIMATE BY ESTIMATE SECTIONS WITH ROUTE TOTALS

STATE MONTANAINTERSTATE ROUTE NO. 90
Sheet 5 of 12 Sheets

ITEM	ESTIMATE SECTION & FINANCE CODE													
	A36 A37	A37 A38	A38 B1	B1 B2.1	B2.1 B2.1.1	B2.1.1 B2.2	B2.2 B3	B3 B5.1	B5.1 B6	B6 B7	B7 B8	B8 B9	B9 B9.1	B9.1 B10
	23	22	23	22	23	23	23	23	23	23	23	23	22	20
Section Length, miles (0.1)	5.9	6.0	2.0	4.9	0.5	7.1	1.0	6.8	6.6	4.2	3.5	1.0	7.0	1.1
Class: Rural or Urban (R or U)	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Urban Area identification (name and code)														
Location: Existing, new or toll (E, N or T)	N	E	N	E	N	N	N	N	N	N	N	N	E	E
Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
No. Lanes to be constructed this estimate		4	4	4	2	2		4	4	4	0	0	0	0
No. Lanes to be improved this estimate	0	0	0	0	0	0	0	0	0	0	0	0	0	0
No. through traffic lanes	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Status of improvement October 31, 1969	1a(1)f	4a(1)	4a(3)	4a(3)	2a(2)f	2a(2)f	1a(1)f	4a(1)	4a(3)	4a(3)	1a(1)f	1a(1)f	1a(1)f	1a(1)f
WORK CLASSIFICATION														
1. Preliminary Engineering	1					31		3	29	19			2	
2. Right-of-Way														
a. Right-of-Way and acquisition			80	168	3	17			132	78				
b. Relocation payments			26						12					
3. Clear & grub; demolition		90	18											
4. Utility adjustments			19	35	3	35								
5. Grade & drain; minor structures		477	1126	1481	24	532		1009	1073	708				
6. Subbase; base; surfacing; shoulders		818	331	657	41	585		1094	1193	948				
7. R.R. grade separations		259	809	996					480					
8. Highway grade separations without ramps		96				246		203						
9. Interchanges		294	109	523		227			708					
10. Other bridges; tunnels				143					83	164				
11. Walls														
12. Traffic control and safety improvements														
a. Guardrail; fencing; lighting; traffic control devices		126	48	94	16	83	11	78	105	77				
b. Motorist service signs														
c. Safety improvements on completed sections	13				3	24	8				24	5	39	
13. Roadside improvement														
a. Erosion Control		45	15	37	2	32		51	50	32				
b. Landscaping											33			
c. Rest Areas		175												
d. Scenic overlooks														
14. All other items		65	50	50										
15. Subtotal, lines 3 to 14	13	2445	2525	4016	89	1764	19	2435	3692	1929	57	5	39	
16. Construction Engineering & Contingencies, 10% of Line 15	1	245	253	402	9	176	2	244	369	193	6	1	4	
17. Total Cost of Construction, Lines 15 & 16	14	2690	2778	4418	98	1940	21	2679	4061	2122	63	6	43	
18. Total Estimate Cost, line 1, 2 & 17	15	2690	2884	4586	101	1988	21	2682	4234	2219	63	6	45	

TABLE C - COST ESTIMATE BY ESTIMATE SECTIONS WITH ROUTE TOTALS

STATE MONTANA

INTERSTATE ROUTE NO. 90
Sheet 5A of 12 Sheets

ITEM	ESTIMATE SECTION & FINANCE CODE													
	B10	B11	B12.1	B12.2	B12.3									
	B11	B12.1	B12.2	B12.3	B12.3.1									
	22	23	23	23	23									
Section Length, miles (0.1)	2.7	1.8	2.0	0.8	0.6									
Class: Rural or Urban (R or U)	R	R	U	U	U									
Urban Area identification (name and code)			359#	359#	359#									
Location: Existing, new or toll (E, N or T)	E	N	N	N	N									
Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1									
No. Lanes to be constructed this estimate	0	0	0	0	0									
No. Lanes to be improved this estimate	0	0	0	0	0									
No. through traffic lanes	4	4	4	4	4									
Status of improvement October 31, 1969	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f									
WORK CLASSIFICATION														
1. Preliminary Engineering														
2. Right-of-Way														
a. Right-of-Way and acquisition														
b. Relocation payments														
3. Clear & grub; demolition														
4. Utility adjustments														
5. Grade & drain; minor structures														
6. Subbase; base; surfacing; shoulders														
7. R.R. grade separations														
8. Highway grade separations without ramps														
9. Interchanges														
10. Other bridges; tunnels														
11. Walls														
12. Traffic control and safety improvements														
a. Guardrail; fencing; lighting; traffic control devices														
b. Motorist service signs														
c. Safety improvements on completed sections														
13. Roadside improvement														
a. Erosion Control														
b. Landscaping														
c. Rest Areas														
d. Scenic overlooks														
14. All other items														
15. Subtotal, lines 3 to 14														
16. Construction Engineering & Contingencies, 10% of Line 15														
17. Total Cost of Construction, Lines 15 & 16														
18. Total Estimate Cost, line 1, 2 & 17														

COINCIDENT MILEAGE WITH I 15
SEE I 15 FOR DATA

TABLE C - COST ESTIMATE BY ESTIMATE SECTIONS WITH ROUTE TOTALS

STATE MONTANAINTERSTATE ROUTE NO. 90
Sheet 6 of 12 Sheets

ITEM	ESTIMATE SECTION & FINANCE CODE													
	B12.3.1 B12.3.2	B12.3.2 B13.0.1	B13.0.1 B13.0.2	B13.0.2 B14.1	B14.1 B14.2	B14.2 B15	B15 B16	B16 B17.1	B17.1 B18	B18 C1	C1 C2	C2 C3.1.1	C3.1.1 C3.1.2	C3.1.2 C4.2
	23	23	23	23	23	23	23	20	23	23	21	20	20	23
Section Length, miles (0.1)	3.1	2.6	2.3	4.7	2.4	7.1	2.5	4.9	10.4	4.6	2.4	3.1	1.2	10.7
Class: Rural or Urban (R or U)	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Urban Area identification (name and code)														
Location: Existing, new or toll (E, N or T)	N	N	N	N	N	N	N	E	N	N	N	N	N	N
Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
No. Lanes to be constructed this estimate	0	0	0	0	0	0	0	0	0	0	0	0	0	0
No. Lanes to be improved this estimate	0	0	0	0	0	0	0	0	0	0	0	0	0	0
No. through traffic lanes	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Status of improvement October 31, 1969	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	3a(2)	3a(2)	3a(2)	1a(1)f	1a(1)f	1a(1)f
WORK CLASSIFICATION														
1. Preliminary Engineering	1	4		7	2	1	1		2	2				22
2. Right-of-Way														
a. Right-of-Way and acquisition														
b. Relocation payments														
3. Clear & grub; demolition														
4. Utility adjustments														
5. Grade & drain; minor structures														
6. Subbase; base; surfacing; shoulders														
7. R.R. grade separations														
8. Highway grade separations without ramps														
9. Interchanges														
10. Other bridges; tunnels														
11. Walls														
12. Traffic control and safety improvements														
a. Guardrail; fencing; lighting; traffic control devices			69											43
b. Motorist service signs														
c. Safety improvements on completed sections	23	76		122	42	26	15		43	35				131
13. Roadside improvement														
a. Erosion Control			52											
b. Landscaping														
c. Rest Areas														
d. Scenic overlooks														
14. All other items														
15. Subtotal, lines 3 to 14	23	76	121	122	42	26	15		43	35				174
16. Construction Engineering & Contingencies, 10% of Line 15	2	8	12	12	4	3	2		4	4				17
17. Total Cost of Construction, Lines 15 & 16	25	84	133	134	46	29	17		47	39				191
18. Total Estimate Cost, line 1, 2 & 17	26	88	133	141	48	30	18		49	41				213

TABLE C - COST ESTIMATE BY ESTIMATE SECTIONS WITH ROUTE TOTALS

STATE MONTANAINTERSTATE ROUTE NO. 90
Sheet 7 of 12 Sheets

ITEM	ESTIMATE SECTION & FINANCE CODE													
	C4.2	C5.1	C5.2	C6	C6.1	C7.1	C7.2	C8.1	C8.2	C9	C10	C11	C11.1	C12.1
	C5.1	C5.2	C6	C6.1	C7.1	C7.2	C8.1	C8.2	C9	C10	C11	C11.1	C12.1	C13
Section Length, miles (0.1)	23	23	23	23	23	23	23	22	22	22	23	23	23	23
Class: Rural or Urban (R or U)	9.5	8.4	0.8	0.9	0.8	3.0	1.1	4.2	3.1	5.1	3.4	2.3	0.9	0.9
Urban Area identification (name and code)	R	R	R	U	U	R	R	R	R	R	R	R	U	R
Location: Existing, new or toll (E, N or T)				358#	358#								362#	
Mileage increment: Code 1, 2, 3 or 4	N	N	N	N	N	N	N	E	E	E	N	N	N	N
No. Lanes to be constructed this estimate	1	1	1	1	1	1	1	1	1	1	1	1	1	1
No. Lanes to be improved this estimate	0	0	4	4	4	4	0	0	4	4	4	0	0	0
No. through traffic lanes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Status of improvement October 31, 1969	4	4	4	4	4	4	4	4	4	4	4	4	4	4
WORK CLASSIFICATION	1a(1)f	1a(1)f	3a(2)	3a(2)	3a(2)	3a(2)	1a(1)f	1a(1)f	4a(1)	4a(1)	4a(1)	1a(1)f	1a(1)f	1a(1)f
1. Preliminary Engineering	3	1	10	10	10	43	3	16				2	1	
2. Right-of-Way														
a. Right-of-Way and acquisition									104	213	145			
b. Relocation payments									3	5				
3. Clear & grub; demolition														
4. Utility adjustments									275	231	154			
5. Grade & drain; minor structures									1194	1655	495	40		
6. Subbase; base; surfacing; shoulders			116	130	116	434			425	760	489	63		
7. R.R. grade separations														
8. Highway grade separations without ramps										145	89			
9. Interchanges									269	264		21	21	
10. Other bridges; tunnels														
11. Walls														
12. Traffic control and safety improvements														
a. Guardrail; fencing; lighting; traffic control devices	21								55	92	35	11		
b. Motorist service signs														
c. Safety improvements on completed sections	48	18	1	1	1	3	55	278				24	14	7
13. Roadside improvement														
a. Erosion Control									23	38	26			
b. Landscaping		92			92									
c. Rest Areas	175								104	104				
d. Scenic overlooks												25		
14. All other items										99	50			
15. Subtotal, lines 3 to 14	244	110	117	131	209	437	55	278	2345	3388	1338	184	35	7
16. Construction Engineering & Contingencies, 10% of Line 15	24	11	12	13	21	44	6	28	235	339	134	18	4	1
17. Total Cost of Construction, Lines 15 & 16	268	121	129	144	230	481	61	306	2580	3727	1472	202	39	8
18. Total Estimate Cost, line 1, 2 & 17	271	122	139	154	240	524	64	322	2687	3945	1617	204	40	8

Bozeman 358
Livingston 362

TABLE C - COST ESTIMATE BY ESTIMATE SECTIONS WITH ROUTE TOTALS

STATE MONTANAINTERSTATE ROUTE NO. 90
Sheet 8 of 12 Sheets

ITEM	ESTIMATE SECTION & FINANCE CODE													
	C13	C14	C15.1	C15.2	C15.3	D1	D2	D3.1	D3.2	D4.1	D4.2	D5.1	D5.2	D5.3
	C14	C15.1	C15.2	C15.3	D1	D2	D3.1	D3.2	D4.1	D4.2	D5.1	D5.2	D5.3	D6
Section Length, miles (0.1)	23	22	22	22	22	22	23	23	23	23	23	23	23	22
Class: Rural or Urban (R or U)	3.5	3.4	9.1	3.3	0.6	13.1	3.4	5.4	3.2	9.8	1.0	0.3	1.8	3.0
Urban Area identification (name and code)	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Location: Existing, new or toll (E, N or T)	N	E	E	E	E	E	N	N	N	N	N	N	N	E
Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
No. Lanes to be constructed this estimate	0	0	2	0	4	4	4	4	4	4	2	2	0	2
No. Lanes to be improved this estimate	0	0	0	0	0	0	0	0	0	0	0	0	0	0
No. through traffic lanes	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Status of improvement October 31, 1969	1a(1)f	1a(1)f	2a(2)f	1a(1)f	2b(2)n	2b(2)n	4a(3)	4a(3)	4a(1)	4a(1)	2a(2)f	2a(2)f	1a(1)f	2a(2)f
WORK CLASSIFICATION														
1. Preliminary Engineering	1	2		4						20		1	1	1
2. Right-of-Way														
a. Right-of-Way and acquisition			24		15	295	139	75						
b. Relocation payments														
3. Clear & grub; demolition														
4. Utility adjustments			20		10	366	35	235						
5. Grade & drain; minor structures		19	689		47	1177	865	537	555	1722	138	17		681
6. Subbase; base; surfacing; shoulders		29	757		80	1995	415	724	450	1372	93*	25*	28*	247*
7. R.R. grade separations														
8. Highway grade separations without ramps			89				233	89		209	47			51
9. Interchanges		43	281		275	276	316	291	281	264				
10. Other bridges; tunnels			114				375	325	105	199				
11. Walls														
12. Traffic control and safety improvements														
a. Guardrail; fencing; lighting; traffic control devices		2	173		8	132	52	64	71	110	15	1		42
b. Motorist service signs														
c. Safety improvements on completed sections	24	30	4	77							1	1	14	20
13. Roadside improvement														
a. Erosion Control			41		5	99	44	41	24	74	5	1		14
b. Landscaping														
c. Rest Areas						175				175				
d. Scenic overlooks							25							
14. All other items			152				50	99	50	50				
15. Subtotal, lines 3 to 14	24	123	2320	77	425	4220	2410	2405	1536	4175	299	45	42	1055
16. Construction Engineering & Contingencies, 10% of Line 15	2	12	232	8	43	422	241	241	154	418	30	5	4	106
17. Total Cost of Construction, Lines 15 & 16	26	135	2552	85	468	4642	2651	2646	1690	4593	329	50	46	1161
18. Total Estimate Cost, line 1, 2 & 17	27	137	2576	89	483	4940	2790	2721	1690	4613	329	51	47	1162

* Cost includes 6.1 mi pavement overlay

TABLE C - COST ESTIMATE BY ESTIMATE SECTIONS WITH ROUTE TOTALS

STATE MONTANAINTERSTATE ROUTE NO. 90
Sheet 9 of 12 Sheets

ITEM	ESTIMATE SECTION & FINANCE CODE													
	D6 D7.1	D7.1 D7.2	D7.2 D8	D8 D8.1	D8.1 D9	D9 D9.1	D9.1 D10.1	D10.1 D10.2	D10.2 D11	D11 D12	D12 D13.1	D13.1 D13.2	D13.2 D13.3	D13.3 D14.0.1
Section Length, miles (0.1)	23	22	23	23	23	23	23	23	23	23	23	23	22	22
Class: Rural or Urban (R or U)	3.0	1.5	8.2	1.3	4.2	3.1	6.1	3.1	3.1	4.9	3.9	1.4	5.2	0.9
Urban Area identification (name and code)	R	R	R	R	R	R	R	R	R	R	R	R	R	U
Location: Existing, new or toll (E, N or T)														356#
Mileage increment: Code 1, 2, 3 or 4	N	E	N	N	N	N	N	N	N	N	N	N	E	E
No. Lanes to be constructed this estimate	1	1	1	1	1	1	1	1	1	1	1	1	1	1
No. Lanes to be improved this estimate	2	2	4	4	0	4	4	4	0	0	0	0	0	0
No. through traffic lanes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Status of improvement October 31, 1969	4	4	4	4	4	4	4	4	4	4	4	4	4	4
WORK CLASSIFICATION	2a(2)f	2a(2)f	4a(1)	4a(1)	3a(3)	3a(3)	3a(3)	3a(3)	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f
1. Preliminary Engineering									1	2	2	1	1	1
2. Right-of-Way														
a. Right-of-Way and acquisition														
b. Relocation payments														
3. Clear & grub; demolition														
4. Utility adjustments														
5. Grade & drain; minor structures	598	107	4804	345									139	24
6. Subbase; base; surfacing; shoulders	247*	123*	1112	204	563	415	817	415					218	38
7. R.R. grade separations	155													
8. Highway grade separations without ramps	39	50	191											
9. Interchanges			269	323			24				21			
10. Other bridges; tunnels	617	52	215											
11. Walls														
12. Traffic control and safety improvements														
a. Guardrail; fencing; lighting; traffic control devices	68	17	190	41	7	5	10	5						
b. Motorist service signs														
c. Safety improvements on completed sections	5								25	35	35	11	15	10
13. Roadside improvement														
a. Erosion Control	14	7	62	10										
b. Landscaping														
c. Rest Areas						102								
d. Scenic overlooks														
14. All other items			99											
15. Subtotal, lines 3 to 14	1743	356	6942	923	570	522	851	420	25	35	56	11	372	72
16. Construction Engineering & Contingencies, 10% of Line 15	174	36	694	92	57	52	85	42	3	4	6	1	37	7
17. Total Cost of Construction, Lines 15 & 16	1917	392	7636	1015	627	574	936	462	28	39	62	12	409	79
18. Total Estimate Cost, line 1, 2 & 17	1917	392	7636	1015	627	574	936	462	29	41	64	13	410	80

* Cost includes 4.5 mi pavement overlay

Billings

TABLE C - COST ESTIMATE BY ESTIMATE SECTIONS WITH ROUTE TOTALS

STATE MONTANA

INTERSTATE ROUTE NO. 90
Sheet 10 of 12 Sheets

ITEM	ESTIMATE SECTION & FINANCE CODE													
	D14.0.1 D14.0.2	D14.0.2 D14.0.3	D14.0.3 D15.1	D15.1 D15.2	D15.2 D15.3	D15.3 D16=M1	M1 M2	M2 M3	M3 M4	M4 M5	M5 M6	M6 M7	M7 M8.0.1	M8.0.1 M9
	23	23	23	23	23	23	23	23	23	23	23	23	21	23
Section Length, miles (0.1)	1.2	3.0	2.4	1.2	2.0	1.6	6.0	5.5	2.5	2.3	4.3	8.6	6.2	8.0
Class: Rural or Urban (R or U)	U	U	U	U	U	R	R	R	R	R	R	R	R	R
Urban Area identification (name and code)	356#	356#	356#	356#	356#									
Location: Existing, new or toll (E, N or T)	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
No. Lanes to be constructed this estimate	0	0	0	0	0	0	4	4	4	4	4	4	0	4
No. Lanes to be improved this estimate	0	0	0	0	0	0	0	0	0	0	0	0	0	0
No. through traffic lanes	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Status of improvement October 31, 1969	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	3a(3)	4a(1)	4a(1)	4a(1)	4a(1)	4a(1)	3a(2)	3a(3)
WORK CLASSIFICATION														
1. Preliminary Engineering	1		3	2	1	2					20	40		
2. Right-of-Way														
a. Right-of-Way and acquisition														
b. Relocation payments														
3. Clear & grub; demolition														
4. Utility adjustments														
5. Grade & drain; minor structures								1381	379	302	411	1178		
6. Subbase; base; surfacing; shoulders							804	756	335	308	576	1323		1248
7. R.R. grade separations												169		
8. Highway grade separations without ramps								89	259					
9. Interchanges						21	12					619		97
10. Other bridges; tunnels												128		
11. Walls														
12. Traffic control and safety improvements														
a. Guardrail; fencing; lighting; traffic control devices							9	103	32	57	56	120		13
b. Motorist service signs														
c. Safety improvements on completed sections	16	9	45	41	11	30								
13. Roadside improvement														
a. Erosion Control								41	19	17	32	83		
b. Landscaping														
c. Rest Areas											175			
d. Scenic overlooks														
14. All other items								50			50	50		
15. Subtotal, lines 3 to 14	16	9	45	41	11	51	825	2420	1024	684	1300	3670		1358
16. Construction Engineering & Contingencies, 10% of Line 15	2	1	5	4	1	5	83	242	102	68	130	367		136
17. Total Cost of Construction, Lines 15 & 16	18	10	50	45	12	56	908	2662	1126	752	1430	4037		1494
18. Total Estimate Cost, line 1, 2 & 17	19	10	53	47	13	58	908	2662	1126	752	1450	4077		1494

Billings

TABLE C - COST ESTIMATE BY ESTIMATE SECTIONS WITH ROUTE TOTALS

STATE MONTANAINTERSTATE ROUTE NO. 90
Sheet 11 of 12 Sheets

ITEM	ESTIMATE SECTION & FINANCE CODE													
	M9 M10	M10 M11	M11 M12	M12 M13	M13 M14	M14 M15	M15 M15.1	M15.1.0 M16	M16 M17	M17 M18	M18 M19	M19 M20	M20 M21	
	22	22	22	22	22	22	22	23	23	23	23	23	23	
Section Length, miles (0.1)	2.4	0.7	5.1	0.9	1.7	0.8	4.6	2.0	10.4	1.4	12.7	5.6	4.6	
Class: Rural or Urban (R or U)	R	R	R	R	R	R	R	R	R	R	R	R	R	
Urban Area identification (name and code)														
Location: Existing, new or toll (E, N or T)	E	E	E	E	E	E	E	N	N	N	N	N	N	
Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	
No. Lanes to be constructed this estimate	2	0	2	0	0	2	2	4	4	4	4	4	4	
No. Lanes to be improved this estimate	2	4	2	0	0	0	0	0	0	0	0	0	0	
No. through traffic lanes	4	4	4	4	4	4	4	4	4	4	4	4	4	
Status of improvement October 31, 1969	2a(3)f	1a(1)f	2a(2)f	1a(1)f	1a(1)f	2a(2)f	2a(2)p	2a(2)p	4a(3)	4a(3)	4a(3)	4a(3)	4a(3)	
WORK CLASSIFICATION														
1. Preliminary Engineering					1	1	9				355	140	105	
2. Right-of-Way														
a. Right-of-Way and acquisition					5	3	20	14	70	14	90	63	34	
b. Relocation payments							5							
3. Clear & grub; demolition														
4. Utility adjustments					10	10	20	10	30	10	10	10	25	
5. Grade & drain; minor structures			389		21	87	612	226	1381	198	4048	1709	2012	
6. Subbase; base; surfacing; shoulders	272*	16*	461*	21*	73*	115*	619*	312	1622	218	1981	874	718	
7. R.R. grade separations														
8. Highway grade separations without ramps			44				120				230	115		
9. Interchanges					21			276		280		264		
10. Other bridges; tunnels						248		189						
11. Walls														
12. Traffic control and safety improvements														
a. Guardrail; fencing; lighting; traffic control devices	4	13	26	14	2	6	19	15	132	45	234	95	104	
b. Motorist service signs														
c. Safety improvements on completed sections			7		14									
13. Roadside improvement														
a. Erosion Control			23			4	21	15	78	11	96	42	35	
b. Landscaping														
c. Rest Areas							25		175				175	
d. Scenic overlooks														
14. All other items														
15. Subtotal, lines 3 to 14	276	29	950	35	141	470	1436	1043	3418	762	6599	3109	3069	
16. Construction Engineering & Contingencies, 10% of Line 15	28	3	95	4	14	47	144	104	342	76	660	311	307	
17. Total Cost of Construction, Lines 15 & 16	304	32	1045	39	155	517	1580	1147	3760	838	7259	3420	3376	
18. Total Estimate Cost, line 1, 2 & 17	304	32	1045	39	161	521	1614	1161	3830	852	7704	3623	3515	

* Cost includes 16.2 mi pavement overlay

TABLE C - COST ESTIMATE BY ESTIMATE SECTIONS WITH ROUTE TOTALS

STATE MONTANAINTERSTATE ROUTE NO. 90
Sheet 12 of 12 Sheets

ITEM	ESTIMATE SECTION & FINANCE CODE											SUBTOTAL		
												RURAL	URBAN	TOTAL FOR RURAL
Section Length, miles (0.1)												527.1	15.3	542.4
Class: Rural or Urban (R or U)														
Urban Area identification (name and code)														
Location: Existing, new or toll (E, N or T)														
Mileage increment: Code 1, 2, 3 or 4														
No. Lanes to be constructed this estimate														
No. Lanes to be improved this estimate														
No. through traffic lanes														
Status of improvement October 31, 1969														
WORK CLASSIFICATION														
1. Preliminary Engineering												1331	35	1366
2. Right-of-Way														
a. Right-of-Way and acquisition												2358		2358
b. Relocation payments												79		79
3. Clear & grub; demolition												2282		2282
4. Utility adjustments												1959		1959
5. Grade & drain; minor structures												57963	24	57987
6. Subbase; base; surfacing; shoulders												42445	284	42729
7. R.R. grade separations												4361		4361
8. Highway grade separations without ramps												3346		3346
9. Interchanges												11633	21	11654
10. Other bridges; tunnels												18434		18434
11. Walls												63		63
12. Traffic control and safety improvements														
a. Guardrail; fencing; lighting; traffic control devices												5692		5692
b. Motorist service signs														
c. Safety improvements on completed sections												2014	255	2269
13. Roadside improvement														
a. Erosion Control												1902		1902
b. Landscaping												125	92	217
c. Rest Areas												2132		2132
d. Scenic overlooks												50		50
14. All other items												2713		2713
15. Subtotal, lines 3 to 14												157114	676	157790
16. Construction Engineering & Contingencies, 10% of Line 15												15720	68	15788
17. Total Cost of Construction, Lines 15 & 16												172834	744	173578
18. Total Estimate Cost, line 1, 2 & 17												176602	779	177381

Signature: Lewis H. Chittum State Highway Engineer March 1, 1970
 State: MT Name Title Date
H. M. Stewart Division Engineer March 1, 1970
 BPR: Name Title Date

INTERSTATE ROUTE NO. 90
Sheet 1 of 12 Sheets

INTERSTATE ROUTE NO. 90
Sheet 1 of 12 Sheets

[illegible]

INTERSTATE ROUTE NO. 90
Sheet 2 of 12 Sheets

ITEM	ESTIMATE SECTION & FINANCE CODE																											
	A8.3		A9.1		A9.2		A9.3		A10		A11		A12.1		A12.2		A12.3		A13.1		A13.3		A14		A15.0.1		A15.0.2	
	A9.1	A9.2	A9.3	A9.3	A10	A11	A12.1	A12.2	A12.3	A13.1	A13.3	A14	A15.0.1	A15.0.2	A16													
	22	23	23	23	22	23	23	22	22	23	23	22	22	23	23	22	23	23	22	23	22	23	22	23	23	22	23	23
Section length, miles (0.1)	1.4	2.3	1.2	1.8	3.9	5.7	2.1	2.0	1.7	1.5	4.3	3.7	1.1	1.7														
Class: Rural or Urban (R or U)	R	R	R	R	R	R	R	R	R	R	R	R	R	R														
Urban Area identification (name and code)																												
Location: Existing, new or toll (E, N or T)	E	N	N	N	E	N	N	E	E	N	N	E	N	N														
Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1														
No. Lanes to be constructed this estimate	2	2	0	0	0	0	0	0	2	2	2	2	0	2														
No. Lanes to be improved this estimate	0	0	0	0	0	0	0	0	0	0	0	0	0	0														
No. through traffic lanes	4	4	4	4	4	4	4	4	4	4	4	4	4	4														
Status of improvement, October 31, 1969 (PR-511)	2a(2)f	2a(2)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	2a(2)f	2a(2)f	2a(2)f	2a(2)f	1a(1)f	2a(2)f														
	ESTIMATED COSTS (\$1,000) AND NUMBER OF UNITS AND STRUCTURES																											
Item No. From Table C	WORK CLASSIFICATION																											
	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str
7. R.R. grade separation - Cost																												
a. No. to be constructed																												
Cost																												
b. No. in service or authorized - to be improved																			2	4	1	2						
Cost																			498		89							
c. No. in service - cost = zero									3	4																		
d. No. in authorized status - cost = zero																												
8. Highway grade separations without ramps - Cost																												
a. No. to be constructed																												
Cost																												
b. No. in service or authorized - to be improved			1	2																								
Cost			42																									
c. No. in service - cost = zero											1	2																
d. No. in authorized status - cost = zero																												
9. Interchanges - Cost																												
a. No. to be constructed																												
Cost																												
b. No. in service or authorized - to be improved																												

TABLE C-1 - COST ESTIMATE AND NUMBER OF STRUCTURES AND REST AREAS
BY ESTIMATE SECTIONS WITH ROUTE TOTALS

STATE MONTANA

INTERSTATE ROUTE NO. 90
Sheet 3 of 12 Sheets

ITEM	ESTIMATE SECTION & FINANCE CODE																									
	A16 A17	A17 A18	A18 A19	A19 A22.1	A22.1 A22.2	A22.2 A23.0.1	A23.0.1 A23.0.2	A23.0.2 A24.1	A24.1 A24.2	A24.2 A24.3	A24.3 A25	A25 A25.1	A25.1 A25.2	A25.2 A26												
	23	22	22	22	23	22	22	22	23	23	23	23	23	23												
Section length, miles (0.1)	2.2	0.9	1.1	2.6	2.1	2.6	2.2	3.3	2.0	5.8	1.5	0.5	0.3	1.5												
Class: Rural or Urban (R or U)	R	R	R	R	R	R	R	R	R	R	R	U	R	U												
Urban Area identification (name and code)												363#		363#												
Location: Existing, new or toll (E, N or T)	N	E	E	E	N	E	E	E	N	N	N	N	N	N												
Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1												
No. Lanes to be constructed this estimate	2	2	2	0	4	4	4	4	0	0	0	0	0	0												
No. Lanes to be improved this estimate	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
No. through traffic lanes	4	4	4	4	4	4	4	4	4	4	4	4	4	4												
Status of improvement, October 31, 1969 (PR-511)	2a(2)f	2a(2)f	2a(2)f	1a(1)f	4a(1)	4a(1)	4a(1)	4a(1)	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f												
	ESTIMATED COSTS (\$1,000) AND NUMBER OF UNITS AND STRUCTURES																									
Item No. From Table C	WORK CLASSIFICATION				Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str
7. R.R. grade separation - Cost																										
a. No. to be constructed																										
Cost																										
b. No. in service or authorized - to be improved																										
Cost																										
c. No. in service - cost = zero																	1	2								
d. No. in authorized status - cost = zero																										
8. Highway grade separations without ramps - Cost																										
a. No. to be constructed															1	2										
Cost															89											
b. No. in service or authorized - to be improved	1	2	1	2																						
Cost		60		54																						
c. No. in service - cost = zero																	1	2	1	2						
d. No. in authorized status - cost = zero																										
9. Interchanges - Cost																										
a. No. to be constructed								1	1			1	1													
Cost									81				81													
b. No. in service or authorized - to be improved																										
Cost																										
c. No. in service - cost = zero							1	2										2	3						2	4
d. No. in authorized status - cost = zero																										
10. Other bridges and tunnels - Cost																										
a. No. to be constructed																										
Cost																										
b. No. in service or authorized - to be improved					1	2																				
Cost						969																				
c. No. in service - cost = zero							1	2																	1	3
d. No. in authorized status - cost = zero																										
	ESTIMATED COSTS (\$1,000) AND NUMBER OF REST AREAS																									
13c. Rest Areas - Cost																										
a. No. to be constructed																										
Cost																										
b. No. in service or authorized - to be improved																										
Cost																										
c. No. in service - cost = zero																										
d. No. in authorized status - cost = zero																										

MISSOULA 363

INTERSTATE ROUTE NO. 90
Sheet 4 of 12 Sheets

INTERSTATE ROUTE NO. 90
Sheet 4 of 12 Sheets

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INTERSTATE ROUTE NO. 90
Sheet 5 of 12 Sheets

INTERSTATE ROUTE NO. 90
Sheet 5 of 12 Sheets

[illegible]

TABLE C-1 - COST ESTIMATE AND NUMBER OF STRUCTURES AND REST AREAS
BY ESTIMATE SECTIONS WITH ROUTE TOTALS

STATE MONTANA

INTERSTATE ROUTE NO. 90
Sheet 5A of 12 Sheets

ITEM	ESTIMATE SECTION & FINANCE CODE																											
	B10	B11	B12.1	B12.2	B12.3																							
	B11	B12.1	B12.2	B12.3	B12.3.1																							
Section length, miles (0.1)	22	23	23	23	23																							
Class: Rural or Urban (R or U)	2.7	1.8	2.0	0.8	0.6																							
Urban Area identification (name and code)	R	R	U	U	U																							
Location: Existing, new or toll (E, N or T)			359#	359#	359#																							
Mileage increment: Code 1, 2, 3 or 4	E	N	N	N	N																							
No. Lanes to be constructed this estimate	1	1	1	1	1																							
No. Lanes to be improved this estimate	0	0	0	0	0																							
No. through traffic lanes	0	0	0	0	0																							
Status of improvement, October 31, 1969 (PR-511)	4	4	4	4	4																							
	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f																							
	ESTIMATED COSTS (\$1,000) AND NUMBER OF UNITS AND STRUCTURES																											
Item No. From Table C	WORK CLASSIFICATION																											
	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str
7. R.R. grade separation - Cost																												
a. No. to be constructed																												
Cost																												
b. No. in service or authorized - to be improved																												
Cost																												
c. No. in service - cost = zero																												
d. No. in authorized status - cost = zero																												
8. Highway grade separations without ramps - Cost																												
a. No. to be constructed																												
Cost																												
b. No. in service or authorized - to be improved																												
Cost																												
c. No. in service - cost = zero																												
d. No. in authorized status - cost = zero																												
9. Interchanges - Cost																												
a. No. to be constructed																												
Cost																												
b. No. in service or authorized - to be improved																												
Cost																												
c. No. in service - cost = zero																												
d. No. in authorized status - cost = zero																												
10. Other bridges and tunnels - Cost																												
a. No. to be constructed																												
Cost																												
b. No. in service or authorized - to be improved																												
Cost																												
c. No. in service - cost = zero																												
d. No. in authorized status - cost = zero																												
	ESTIMATED COSTS (\$1,000) AND NUMBER OF REST AREAS																											
13c. Rest Areas - Cost																												
a. No. to be constructed																												
Cost																												
b. No. in service or authorized - to be improved																												
Cost																												
c. No. in service - cost = zero																												
d. No. in authorized status - cost = zero																												

INTERSTATE ROUTE NO. 90
Sheet 6 of 12 Sheets

INTERSTATE ROUTE NO. 90
Sheet 6 of 12 Sheets

ITEM	ESTIMATE SECTION & FINANCE CODE																												
	B12.3.1	B12.3.2	B12.3.2	B13.0.1	B13.0.2	B13.0.2	B14.1	B14.2	B14.2	B15	B15	B16	B16	B17.1	B17.1	B18	B18	C1	C1	C2	C2	C3.1.1	C3.1.1	C3.1.2	C3.1.2	C4.2			
	B12.3.1	B12.3.2	B13.0.1	B13.0.2	B14.1	B14.2	B15	B16	B17.1	B18	C1	C2	C3.1.1	C3.1.2	C4.2														
	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23			
Section length, miles (O.1)	3.1	2.6	2.3	4.7	2.4	7.1	2.5	4.9	10.4	4.6	2.4	3.1	1.2	10.7															
Class: Rural or Urban (R or U)	R	R	R	R	R	R	R	R	R	R	R	R	R	R															
Urban Area identification (name and code)																													
Location: Existing, new or toll (E, N or T)	N	N	N	N	N	N	N	N	E	N	N	N	N	N															
Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1															
No. Lanes to be constructed this estimate	0	0	0	0	0	0	0	0	0	0	0	0	0	0															
No. Lanes to be improved this estimate	0	0	0	0	0	0	0	0	0	0	0	0	0	0															
No. through traffic lanes	4	4	4	4	4	4	4	4	4	4	4	4	4	4															
Status of improvement, October 31, 1969 (PR-511)	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	3a(2)	3a(2)	3a(2)	1a(1)f	1a(1)f	1a(1)f														
	ESTIMATED COSTS (\$1,000) AND NUMBER OF UNITS AND STRUCTURES																												
Item No. From Table C	WORK CLASSIFICATION																												
	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	
7. R.R. grade separation - Cost																													
a. No. to be constructed																													
Cost																													
b. No. in service or authorized - to be improved																													
Cost																													
c. No. in service - cost = zero									1	2														1	2	2	4		
d. No. in authorized status - cost = zero																		1	1										
8. Highway grade separations without ramps - Cost																													
a. No. to be constructed																													
Cost																													
b. No. in service or authorized - to be improved																													
Cost																													
c. No. in service - cost = zero	1	1							1	2	1	1	1	2												1	2		
d. No. in authorized status - cost = zero																		1	2										
9. Interchanges - Cost																													
a. No. to be constructed																													
Cost																													
b. No. in service or authorized - to be improved																													
Cost																													
c. No. in service - cost = zero	1	1			1	1			1	2	1	2			1	2								1	1			3	4
d. No. in authorized status - cost = zero																		1	1										
10. Other bridges and tunnels - Cost																													
a. No. to be constructed																													
Cost																													
b. No. in service or authorized - to be improved																													
Cost																													
c. No. in service - cost = zero																											2	4	
d. No. in authorized status - cost = zero																											2	4	
	ESTIMATED COSTS (\$1,000) AND NUMBER OF REST AREAS																												
13c. Rest Areas - Cost																													
a. No. to be constructed																													
Cost																													
b. No. in service or authorized - to be improved																													
Cost																													
c. No. in service - cost = zero																													
d. No. in authorized status - cost = zero																													

TABLE C-1 - COST ESTIMATE AND NUMBER OF STRUCTURES AND REST AREAS
BY ESTIMATE SECTIONS WITH ROUTE TOTALS

STATE MONTANA

INTERSTATE ROUTE NO. 90
Sheet 7 of 12 Sheets

ITEM	ESTIMATE SECTION & FINANCE CODE													
	C4.2 C5.1	C5.1 C5.2	C5.2 C6	C6 C6.1	C6 C7	C7.1 C7.2	C7.2 C8.1	C8.1 C8.2	C8.2 C9	C9 C10	C10 C11	C11 C11.1	C11.1 C12.1	C12.1 C13
	23	23	23	23	23	23	23	22	22	22	23	23	23	23
Section length, miles (0.1)	9.5	8.4	0.8	0.9	0.8	3.0	1.1	4.2	3.1	5.1	3.4	2.3	0.9	0.9
Class: Rural or Urban (R or U)	R	R	R	U	U	R	R	R	R	R	R	R	U	R
Urban Area identification (name and code)				358#	358#								362#	
Location: Existing, new or toll (E, N or T)	N	N	N	N	N	N	N	E	E	E	N	N	N	N
Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
No. Lanes to be constructed this estimate	0	0	4	4	4	4	0	0	4	4	4	0	0	0
No. Lanes to be improved this estimate	0	0	0	0	0	0	0	0	0	0	0	0	0	0
No. through traffic lanes	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Status of improvement, October 31, 1969 (PR-511)	1a(1)f	1a(1)f	3a(2)	3a(2)	3a(2)	3a(2)	1a(1)f	1a(1)f	4a(1)	4a(1)	4a(1)	1a(1)f	1a(1)f	1a(1)f
ESTIMATED COSTS (\$1,000) AND NUMBER OF UNITS AND STRUCTURES														
Item No. From Table C	WORK CLASSIFICATION													
	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str
7. R.R. grade separation - Cost														
a. No. to be constructed														
Cost														
b. No. in service or authorized - to be improved														
Cost														
c. No. in service - cost = zero								1	2					
d. No. in authorized status - cost = zero			2	4	1	1	1	2						
8. Highway grade separations without ramps - Cost														
a. No. to be constructed										1	2	1	2	
Cost										145	89			
b. No. in service or authorized - to be improved														
Cost														
c. No. in service - cost = zero	2	4	1	2										
d. No. in authorized status - cost = zero			1	2			1	2						
9. Interchanges - Cost														
a. No. to be constructed										1	2	1	2	
Cost										120	115			
b. No. in service or authorized - to be improved														
Cost														
c. No. in service - cost = zero	1	1	1	1				1	2	1	2		1	2
d. No. in authorized status - cost = zero							1	2						
10. Other bridges and tunnels - Cost														
a. No. to be constructed														
Cost														
b. No. in service or authorized - to be improved														
Cost														
c. No. in service - cost = zero	3	6												1
d. No. in authorized status - cost = zero														2
ESTIMATED COSTS (\$1,000) AND NUMBER OF REST AREAS														
13c. Rest Areas - Cost														
a. No. to be constructed										1	1			
Cost										104	104			
b. No. in service or authorized - to be improved														
Cost														
c. No. in service - cost = zero														
d. No. in authorized status - cost = zero														

Bozeman 358
Livingston 362

INTERSTATE ROUTE NO. 90
Sheet 8 of 12 Sheets

INTERSTATE ROUTE NO. 90
Sheet 8 of 12 Sheets

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**TABLE C-1 - COST ESTIMATE AND NUMBER OF STRUCTURES AND REST AREAS
BY ESTIMATE SECTIONS WITH ROUTE TOTALS**

STATE MONTANA

INTERSTATE ROUTE NO. 90
Sheet 9 of 12 Sheets

ITEM	ESTIMATE SECTION & FINANCE CODE																									
	D6 D7.1	D7.1 D7.2	D7.2 D8	D8 D8.1	D8.1 D9	D9 D9.1	D9.1 D10.1	D10.1 D10.2	D10.2 D11	D11 D12	D12 D13.1	D13.1 D13.2	D13.2 D13.3	D13.3 D14.0.1												
	23	22	23	23	23	23	23	23	23	23	23	23	22	22												
Section length, miles (0.1)	3.0	1.5	8.2	1.3	4.2	3.1	6.1	3.1	3.1	4.9	3.9	1.4	5.2	0.9												
Class: Rural or Urban (R or U)	R	R	R	R	R	R	R	R	R	R	R	R	R	U												
Urban Area identification (name and code)														356#												
Location: Existing, new or toll (E, N or T)	N	E	N	N	N	N	N	N	N	N	N	N	N	E												
Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1												
No. Lanes to be constructed this estimate	2	2	4	4	0	4	4	4	0	0	0	0	0	0												
No. Lanes to be improved this estimate	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
No. through traffic lanes	4	4	4	4	4	4	4	4	4	4	4	4	4	4												
Status of improvement, October 31, 1969 (PR-511)	2a(2)f	2a(2)f	4a(1)	4a(1)	3a(3)	3a(3)	3a(3)	3a(3)	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f												
	ESTIMATED COSTS (\$1,000) AND NUMBER OF UNITS AND STRUCTURES																									
Item No. From Table C	WORK CLASSIFICATION																									
	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str
7. R.R. grade separation - Cost																										
a. No. to be constructed																										
Cost																										
b. No. in service or authorized - to be improved	1	2																								
Cost	155																									
c. No. in service - cost = zero																1	2									
d. No. in authorized status - cost = zero																										
8. Highway grade separations without ramps - Cost																										
a. No. to be constructed					1	1																				
Cost					191																					
b. No. in service or authorized - to be improved	1	1	1	1																						
Cost	39		50																							
c. No. in service - cost = zero																1	2	2	3	1	1			2	3	
d. No. in authorized status - cost = zero								1	1			4	8	1	2											
9. Interchanges - Cost																										
a. No. to be constructed					1	2	1	2																		
Cost					120	129																				
b. No. in service or authorized - to be improved																										
Cost																										
c. No. in service - cost = zero																1	2			2	4					
d. No. in authorized status - cost = zero																										
10. Other bridges and tunnels - Cost																										
a. No. to be constructed					1	2																				
Cost					215																					
b. No. in service or authorized - to be improved	1	2	1	2																						
Cost	617		52																							
c. No. in service - cost = zero																										
d. No. in authorized status - cost = zero										1	2	1	2	1	3								1	2	1	2
	ESTIMATED COSTS (\$1,000) AND NUMBER OF REST AREAS																									
13c. Rest Areas - Cost																										
a. No. to be constructed																										
Cost																										
b. No. in service or authorized - to be improved																										
Cost																										
c. No. in service - cost = zero																										
d. No. in authorized status - cost = zero																										

Billings

INTERSTATE ROUTE NO. 90
Sheet 10 of 12 Sheets

INTERSTATE ROUTE NO. 90
Sheet 10 of 12 Sheets

ITEM	ESTIMATE SECTION & FINANCE CODE																											
	D14.0.1	D14.0.2	D14.0.3	D15.1	D15.2	D15.3	M1	M2	M3	M4	M5	M6	M7	M8.0.1														
	D14.0.2	D14.0.3	D15.1	D15.2	D15.3	D16=M1	M2	M3	M4	M5	M6	M7	M8.0.1	M9														
	23	23	23	23	23	23	23	23	23	23	23	23	21	23														
Section length, miles (0.1)	1.2	3.0	2.4	1.2	2.0	1.6	6.0	5.5	2.5	2.3	4.3	8.6	6.2	8.0														
Class: Rural or Urban (R or U)	U	U	U	U	U	R	R	R	R	R	R	R	R	R														
Urban Area identification (name and code)	356#	356#	356#	356#	356#																							
Location: Existing, new or toll (E, N or T)	N	N	N	N	N	N	N	N	N	N	N	N	N	N														
Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1														
No. Lanes to be constructed this estimate	0	0	0	0	0	0	4	4	4	4	4	4	0	4														
No. Lanes to be improved this estimate	0	0	0	0	0	0	0	0	0	0	0	0	0	0														
No. through traffic lanes	4	4	4	4	4	4	4	4	4	4	4	4	4	4														
Status of improvement, October 31, 1969 (PR-511)	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	1a(1)f	3a(3)	4a(1)	4a(1)	4a(1)	4a(1)	4a(1)	3a(2)	3a(3)														
	ESTIMATED COSTS (\$1,000) AND NUMBER OF UNITS AND STRUCTURES																											
Item No. From Table C	WORK CLASSIFICATION																											
	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str
7. R.R. grade separation - Cost																												
a. No. to be constructed																												
Cost																												
b. No. in service or authorized - to be improved																												
Cost																												
c. No. in service - cost = zero					1	2																						
d. No. in authorized status - cost = zero																										1	2	
8. Highway grade separations without ramps - Cost																												
a. No. to be constructed																												
Cost																												
b. No. in service or authorized - to be improved																												
Cost																												
c. No. in service - cost = zero			2	2					1	2																		
d. No. in authorized status - cost = zero													1	2												1	2	
9. Interchanges - Cost																												
a. No. to be constructed																												
Cost																												
b. No. in service or authorized - to be improved																												
Cost																												
c. No. in service - cost = zero	1	4			1	1	1	2			1	2																
d. No. in authorized status - cost = zero													1	1												2	2	
10. Other bridges and tunnels - Cost																												
a. No. to be constructed																												
Cost																												
b. No. in service or authorized - to be improved																												
Cost																												
c. No. in service - cost = zero									1	2																		
d. No. in authorized status - cost = zero													1	2													1	
	ESTIMATED COSTS (\$1,000) AND NUMBER OF REST AREAS																											
13c. Rest Areas - Cost																												
a. No. to be constructed																												
Cost																												
b. No. in service or authorized - to be improved																												
Cost																												
c. No. in service - cost = zero																												
d. No. in authorized status - cost = zero																												

INTERSTATE ROUTE NO. 90
Sheet 11 of 12 Sheets

INTERSTATE ROUTE NO. 90
Sheet 11 of 12 Sheets

[illegible]

TABLE C-1 - COST ESTIMATE AND NUMBER OF STRUCTURES AND REST AREAS
BY ESTIMATE SECTIONS WITH ROUTE TOTALS

STATE MONTANA

INTERSTATE ROUTE NO. 90
Sheet 12 of 12 Sheets

ITEM	SUBTOTAL			ESTIMATE SECTION & FINANCE CODE																											
	RURAL	URBAN	TOTAL FOR ROUTE																												
Section length, miles (0.1)	527.1	15.3	542.4																												
Class: Rural or Urban (R or U)																															
Urban Area identification (name and code)																															
Location: Existing, new or toll (E, N or T)																															
Mileage increment: Code 1, 2, 3 or 4																															
No. Lanes to be constructed this estimate																															
No. Lanes to be improved this estimate																															
No. through traffic lanes																															
Status of improvement, October 31, 1969 (PR-511)																															
	ESTIMATED COSTS (\$1,000) AND NUMBER OF UNITS AND STRUCTURES																														
Item No. From Table C	WORK CLASSIFICATION																														
	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	
7. R.R. grade separation - Cost																															
a. No. to be constructed	8	16			8	16																									
Cost		3619				3619																									
b. No. in service or authorized - to be improved	4	8			4	8																									
Cost		742				742																									
c. No. in service - cost = zero	15	28	1	2	16	30																									
d. No. in authorized status - cost = zero	4	7	2	3	6	10																									
8. Highway grade separations without ramps - Cost																															
a. No. to be constructed	21	37			21	37																									
Cost		2454				2454																									
b. No. in service or authorized - to be improved	11	19			11	19																									
Cost		582				582																									
c. No. in service - cost = zero	30	54	3	4	33	58																									
d. No. in authorized status - cost = zero	14	25			14	25																									
9. Interchanges - Cost																															
a. No. to be constructed	35	58			35	58																									
Cost		4402				4402																									
b. No. in service or authorized - to be improved	4	6			4	6																									
Cost		271				271																									
c. No. in service - cost = zero	42	68	6	13	48	81																									
d. No. in authorized status - cost = zero	6	8	1	2	7	10																									
10. Other bridges and tunnels - Cost																															
a. No. to be constructed	30	57			30	57																									
Cost		14247				14247																									
b. No. in service or authorized - to be improved	7	15			7	15																									
Cost		4187				4187																									
c. No. in service - cost = zero	24	47	3	7	27	54																									
d. No. in authorized status - cost = zero	11	19			11	19																									
	ESTIMATED COSTS (\$1,000) AND NUMBER OF REST AREAS																														
13c. Rest Areas - Cost																															
a. No. to be constructed		19				19																									
Cost		1712				1712																									
b. No. in service or authorized - to be improved		4				4																									
Cost		123				123																									
c. No. in service - cost = zero		6				6																									
d. No. in authorized status - cost = zero																															

Signature: Louis J. Chilton State Highway Engineer March 1, 1970
Date: _____ Name: _____ Title: _____ Date: _____

Wm Stewart Division Engineer March 1, 1970
BPR: _____ Name: _____ Title: _____ Date: _____

I-IG 90-1(10) O-E

I-IG 90-1(43) O-R

I 90-1(46) II-R





I 90-1 (12) 10-E
I 90-1 (47) 16-R

A3.2

A3.3

A4

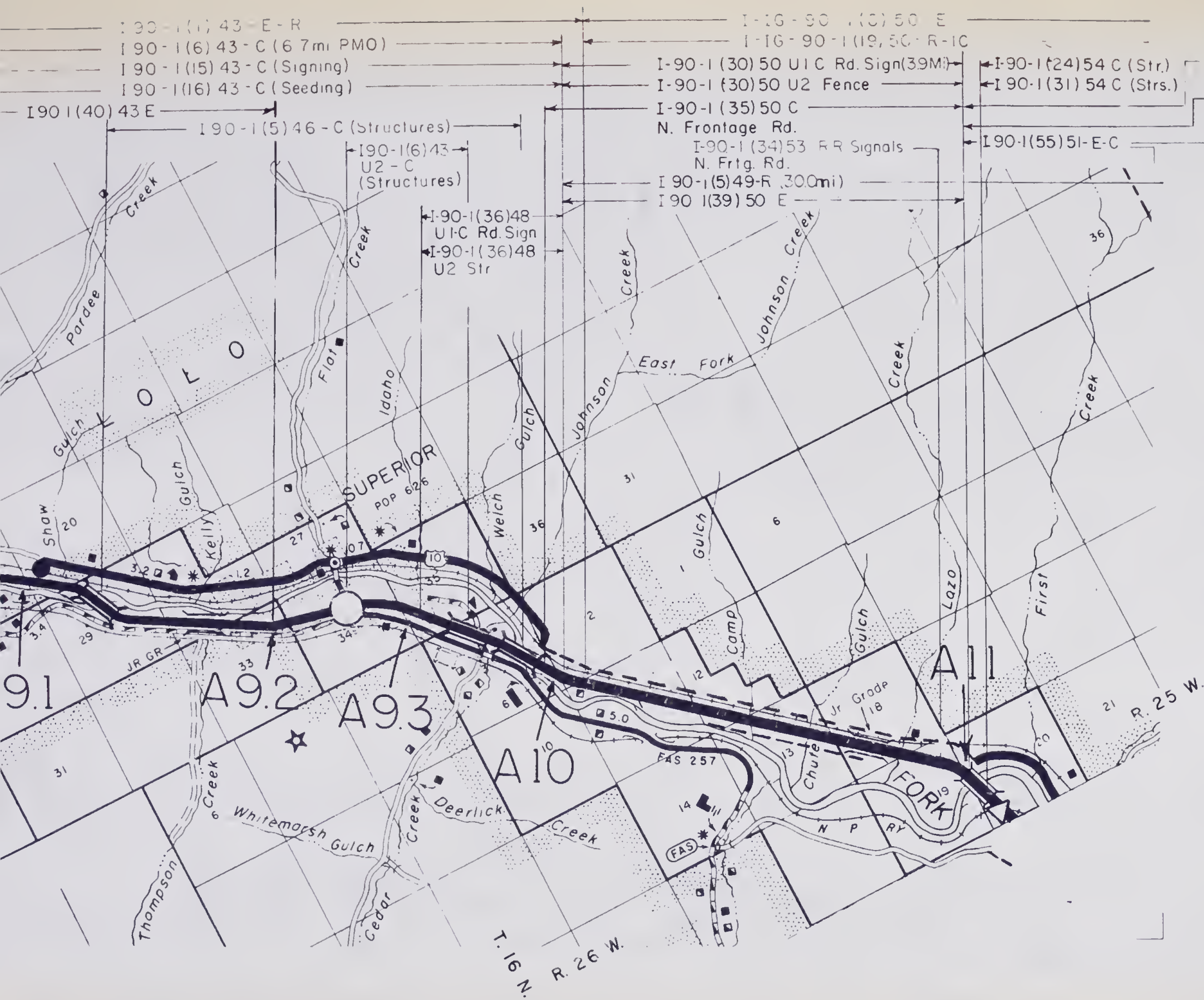
A5.1

A5.2

A6

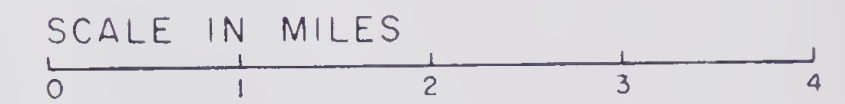
MINERAL CO.





LEGEND FOR INTERSTATE ROUTES

- INTERSTATE LOCATION STEP 4-5
- INTERSTATE LOCATION STEP 1-2-3
- INTERCHANGE
- HIGHWAY GRADE SEPARATION - NO CONNECTION
- RAILROAD GRADE SEPARATION
- COMBINATION HIGHWAY-RAILROAD GRADE SEPARATION
- OTHER BRIDGE
- TUNNEL
- TOLL BRIDGE, TUNNEL, HIGHWAY OR COMBINATION
- FRONTAGE ROAD
- TERMINATED CROSS ROAD
- INTERSECTION AT-GRADE
- URBAN AREA BOUNDARY
- POST MILEAGE
- ROUTE SECTIONS

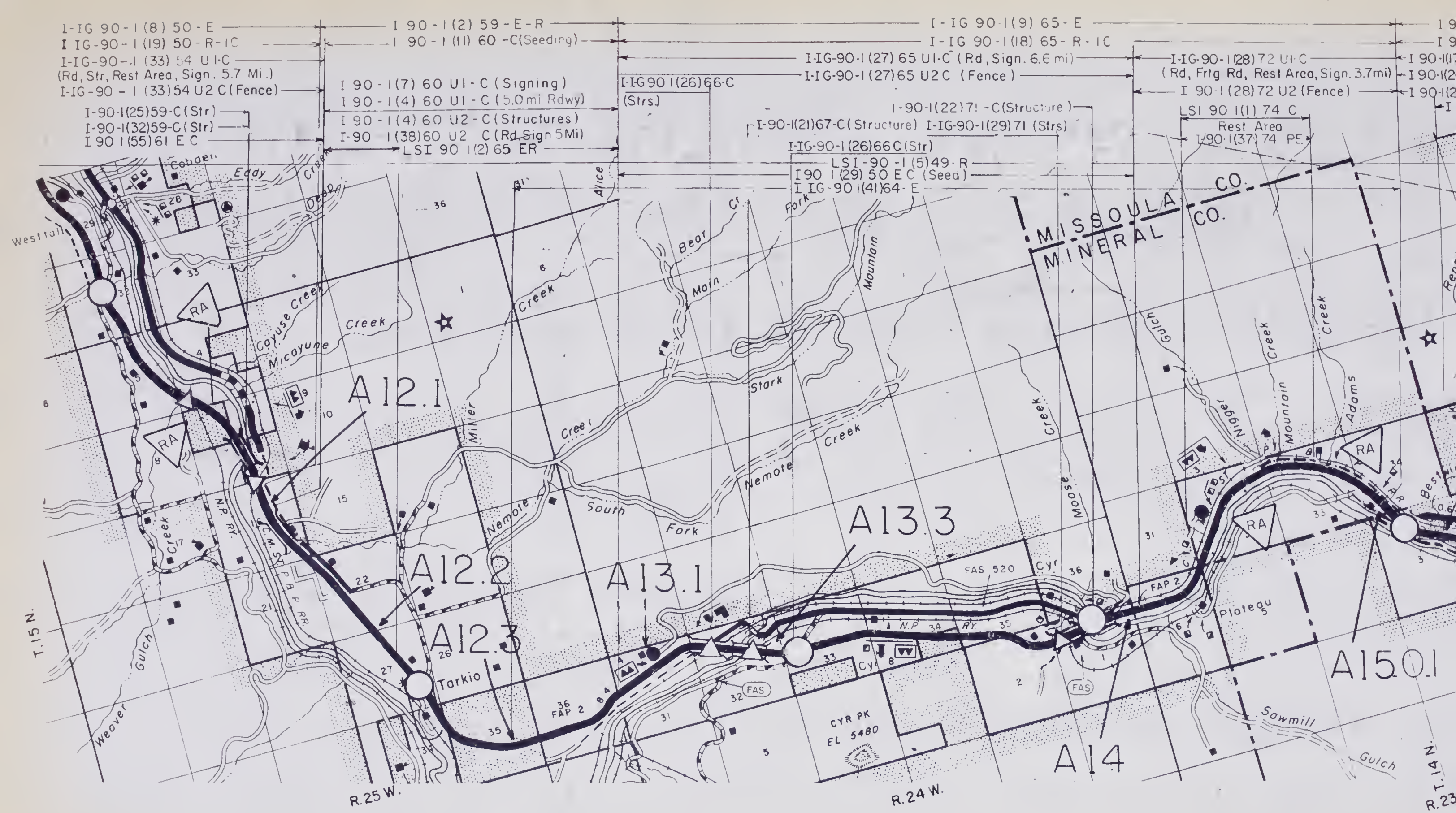


MONTANA

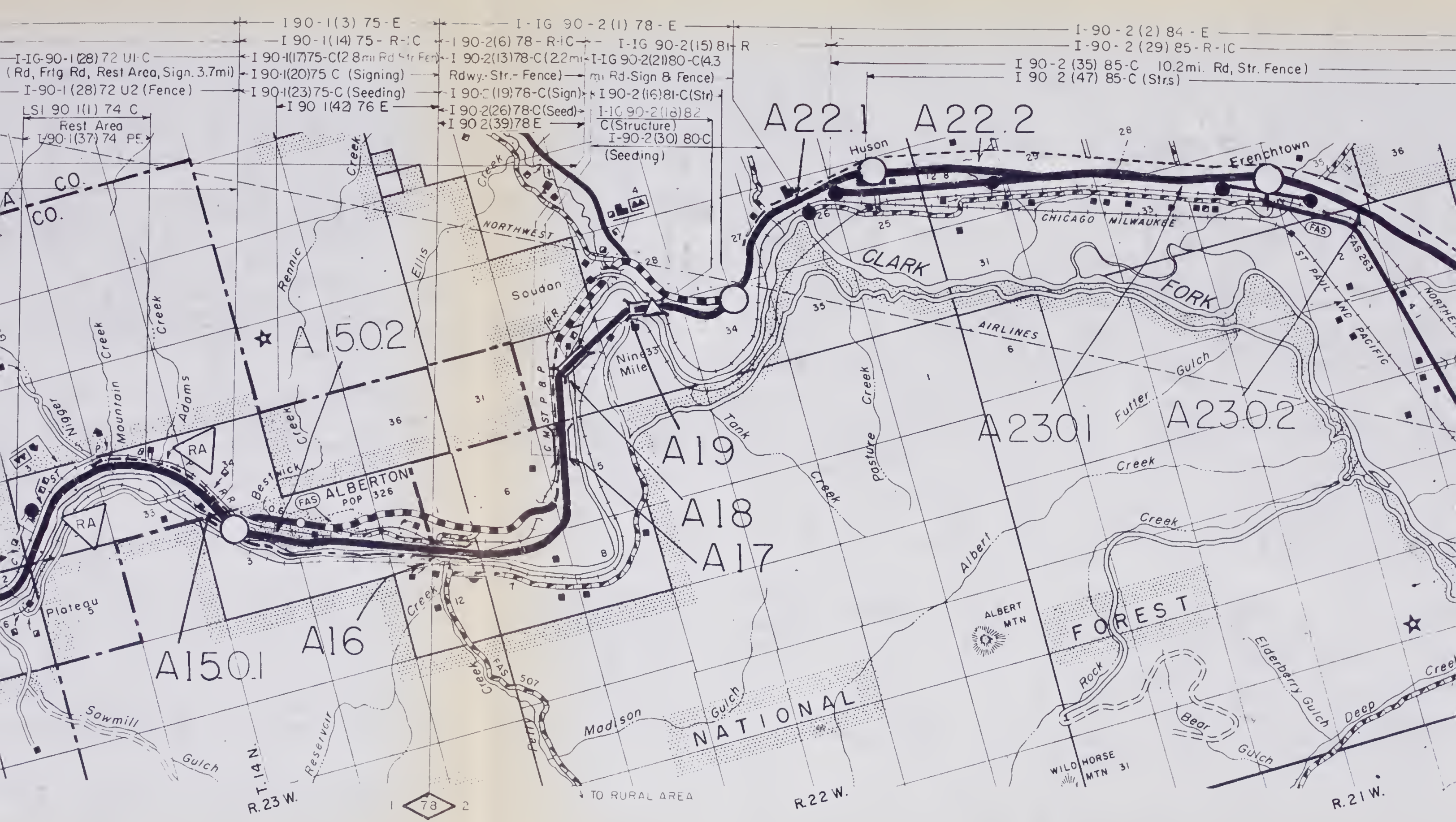
INTERSTATE ROUTE 90

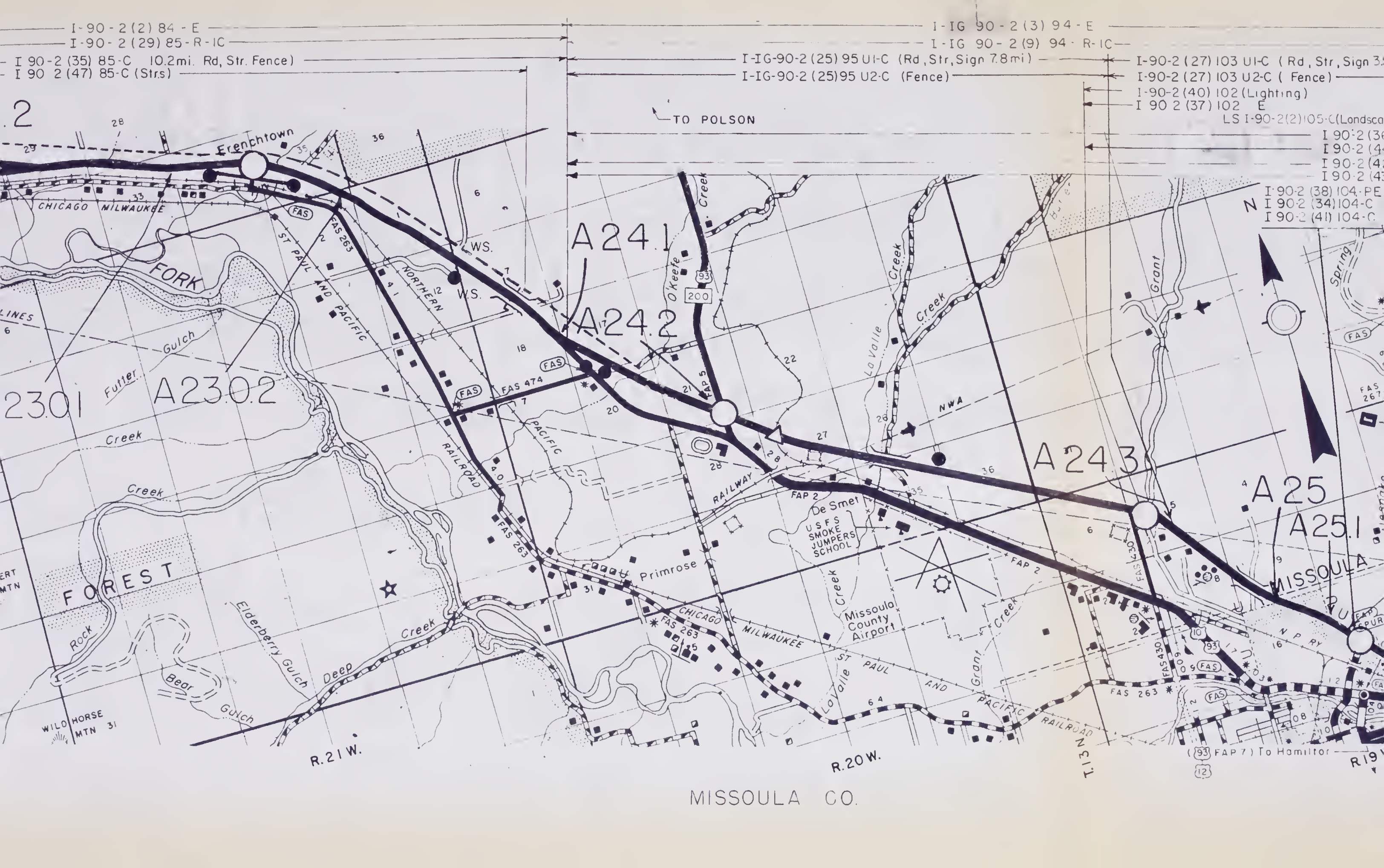
Sheet 1 of 11

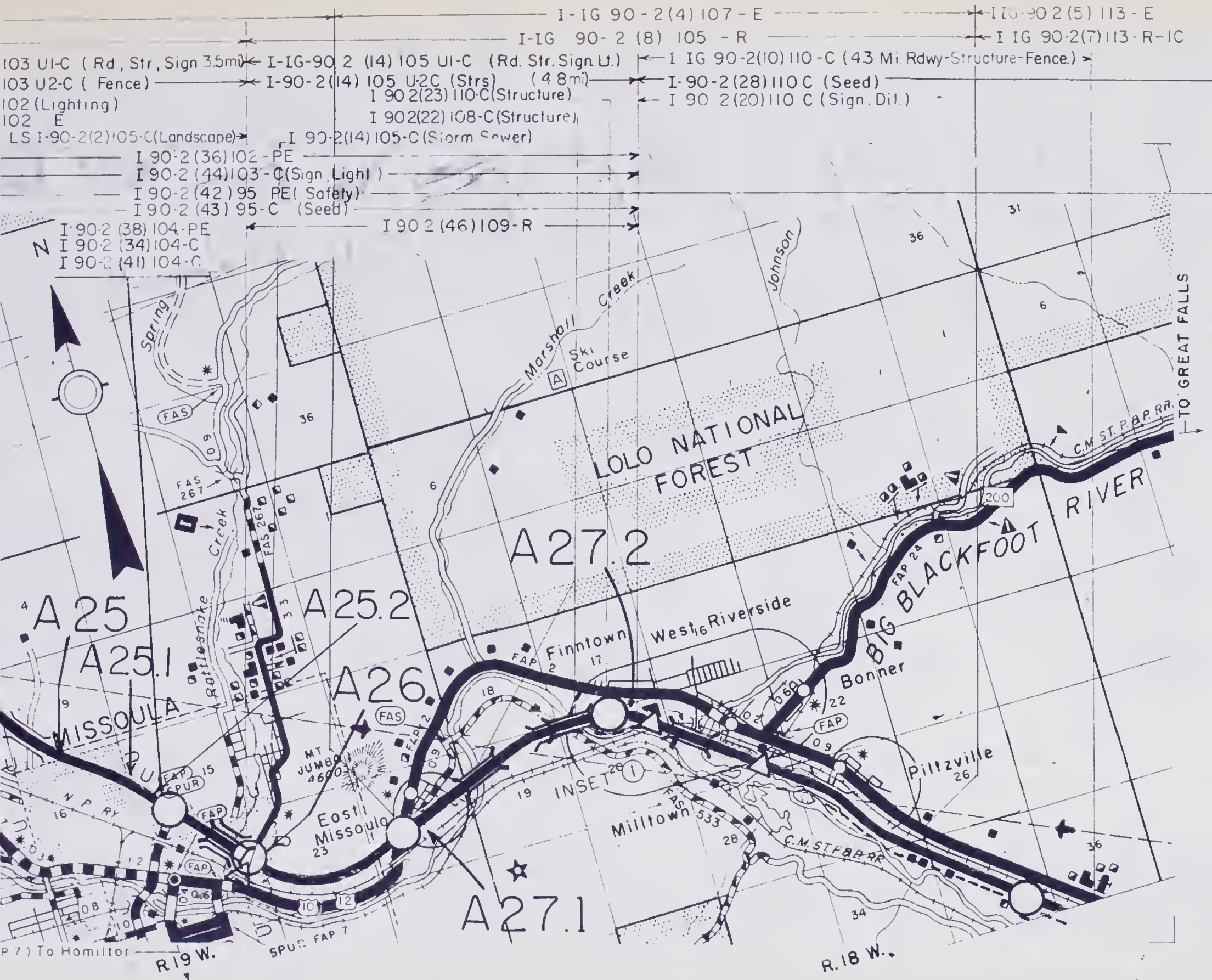
Date October 31, 1969



MINERAL CO.



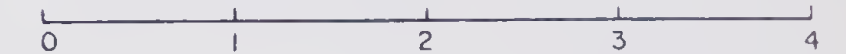




LEGEND FOR INTERSTATE ROUTES

- INTERSTATE LOCATION STEP 4 - 5
- INTERSTATE LOCATION STEP 1 - 2 - 3
- INTERCHANGE
- HIGHWAY GRADE SEPARATION - NO CONNECTION
- RAILROAD GRADE SEPARATION
- COMBINATION HIGHWAY - RAILROAD GRADE SEPARATION
- OTHER BRIDGE
- TUNNEL
- TOLL BRIDGE, TUNNEL, HIGHWAY OR COMBINATION
- FRONTAGE ROAD
- TERMINATED CROSS ROAD
- INTERSECTION AT-GRADE
- URBAN AREA BOUNDARY
- POST MILEAGE
- ROUTE SECTIONS

SCALE IN MILES



MONTANA

INTERSTATE ROUTE 90

Sheet 2 of 11

Date October 31, 1969

I 90-2(5) 113-E

I IG 90 2(7) 113-R-IC

I 90-2(11) 114-C (4.9 Mi. Rdwy. Fence)

I 90 2(28) 110 C (Seeding)

I-IG 90-2(12) 118-C (Structures)

I-IG 90-2(17) 114-E
(RR Signals)

I IG 90 2(12) 118 U3 C (Str)

I 90 2(42) 95 PE

I 90-2(24) 120-E

I-90-2(31) 120-R-IC

I 90-2(48) 121-E-C (Signals RR)

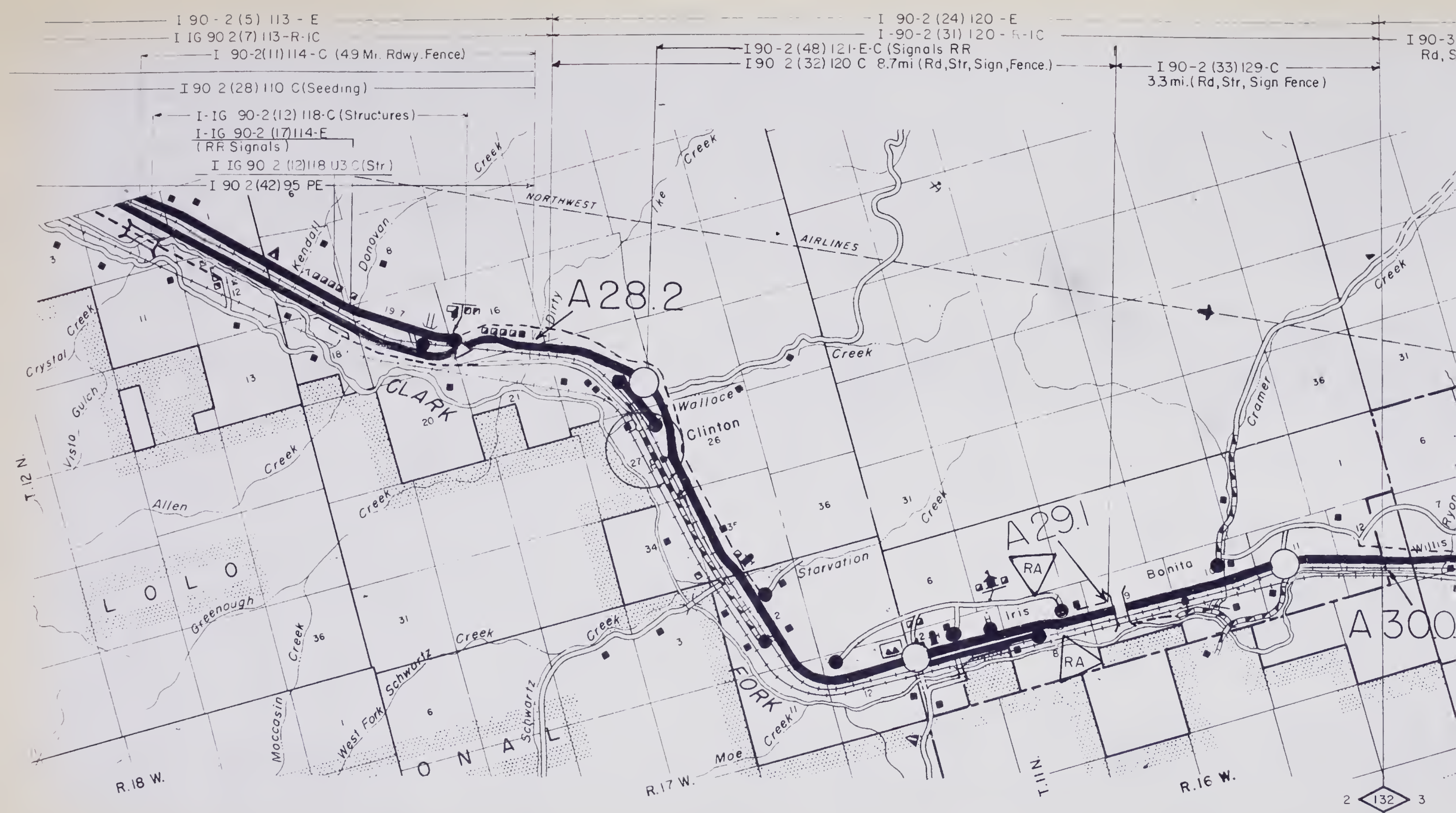
I 90 2(32) 120 C 8.7mi (Rd, Str, Sign, Fence.)

I 90-2(33) 129-C

3.3mi. (Rd, Str, Sign Fence)

I 90-3

Rd, S



MISSOULA CO.



1-90-3(13)143-C(Rd.-Str.-Fence 7.6 Mi)

I-90-3(12)151 UI-C (Rd Sign. Weigh Sto 6.9m.)

I-90-3(12)151 U2 C (Fence)

I-90-3(12)151 U3 C (Str.)

1-90-3(16)151-C (Grass)

I 90-3(25)153-C

I 90-3(24)151-E

I 90-3(1)152-E-R

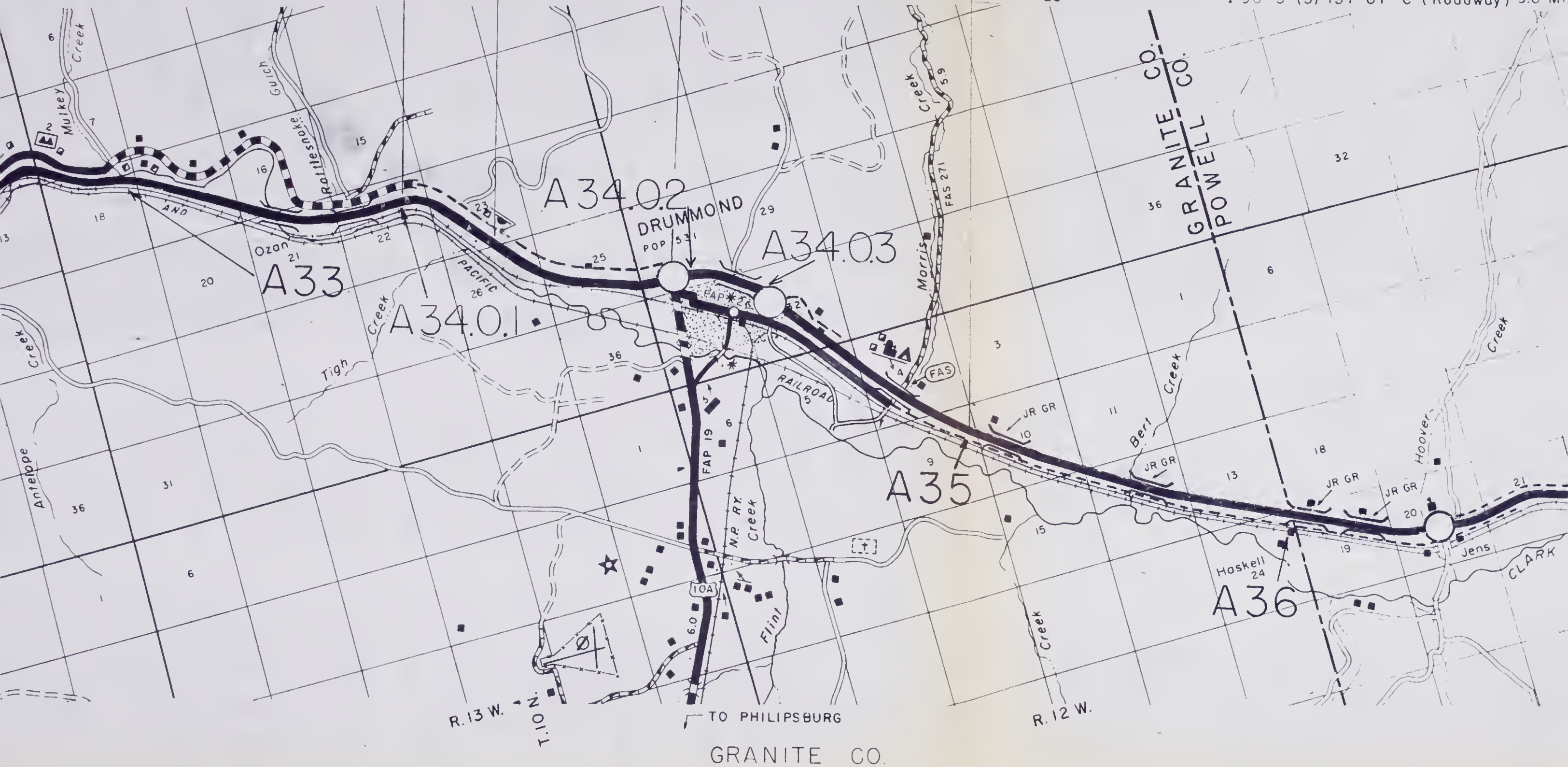
I 90 3(28)157 EC

I 90-3(9)157-C (Seeding)

190-3(5)157 UI-C (Signing)

190-3(3)157 U2-C (Structures)














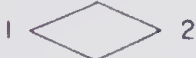
I 90-3(3)157 UI-C (Roadway) 9.6 Mi

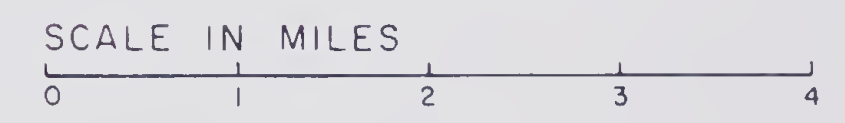


I 90 - 3 (9) 157 - C (Seeding)
I 90 - 3 (5) 157 U1 - C (Signing)
I 90 - 3 (3) 157 U2 - C (Structures)
I 90 - 3 (3) 157 U1 - C (Roadway) 9.6 Mi.



LEGEND FOR INTERSTATE ROUTES:

- | | |
|---|---|
|  | INTERSTATE LOCATION STEP 4 - 5 |
|  | INTERSTATE LOCATION STEP 1 - 2 - 3 |
|  | INTERCHANGE |
|  | HIGHWAY GRADE SEPARATION - NO CONNECTION |
|  | RAILROAD GRADE SEPARATION |
|  | COMBINATION HIGHWAY-RAILROAD GRADE SEPARATION |
|  | OTHER BRIDGE |
|  | TUNNEL |
| <i>Toll</i> | TOLL BRIDGE, TUNNEL, HIGHWAY OR COMBINATION |
|  | FRONTAGE ROAD |
|  | TERMINATED CROSS ROAD |
|  | INTERSECTION AT-GRADE |
|  | URBAN AREA BOUNDARY |
|  | POST MILEAGE |
|  | ROUTE SECTIONS |



MONTANA

INTERSTATE ROUTE 90

Sheet 3 of 11

Date October 31, 1969

- I - 90 - 3 (18) 179 - PE.

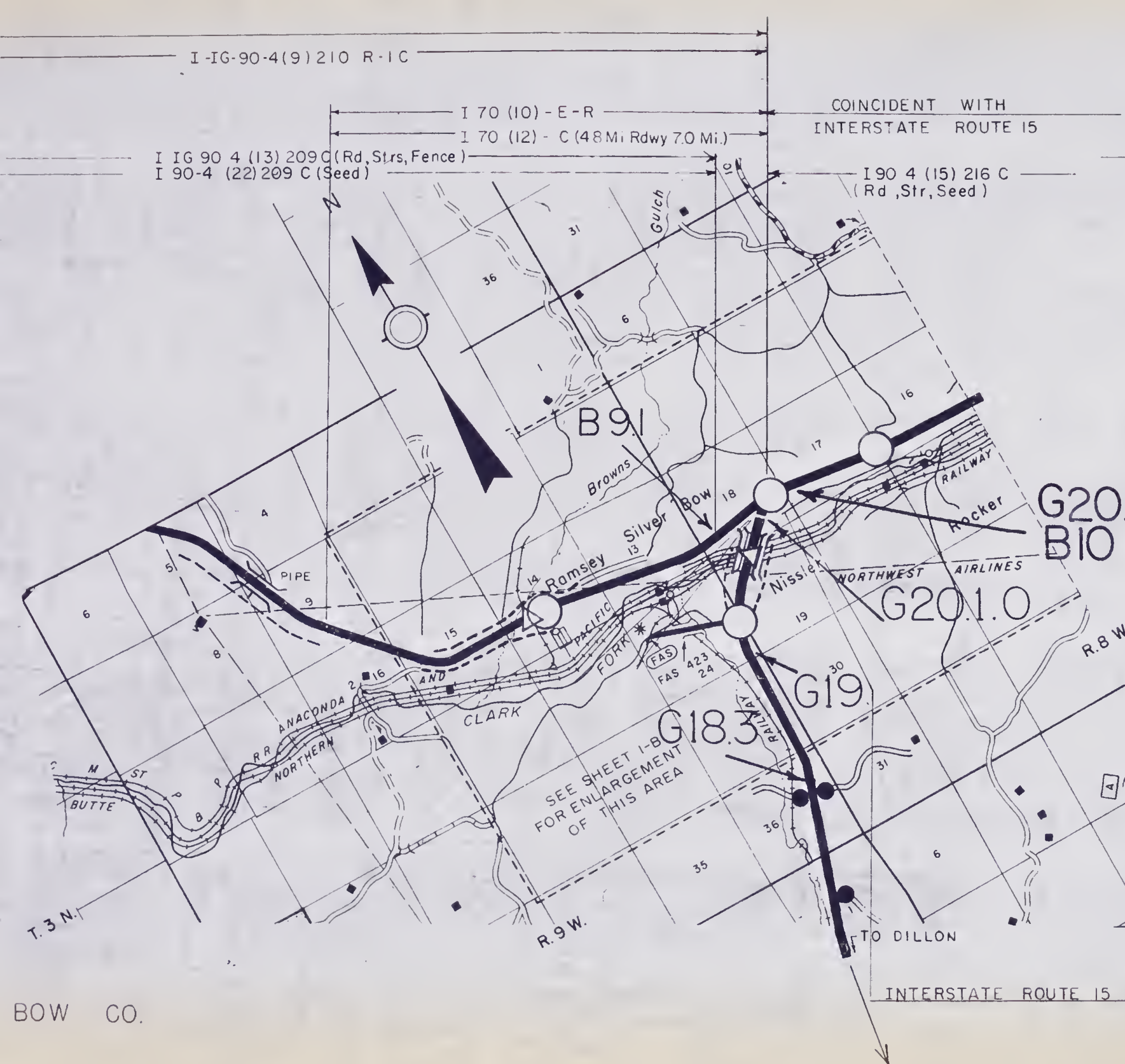


E - R - IC
C (8.6 Mi Rdwy, Structures)
C (Signing)
C (Seeding)
PE



POWELL CO.

DEER LO



LEGEND FOR INTERSTATE ROUTES

- INTERSTATE LOCATION STEP 4 - 5
- INTERSTATE LOCATION STEP 1 - 2 - 3
- INTERCHANGE
- HIGHWAY GRADE SEPARATION - NO CONNECTION
- RAILROAD GRADE SEPARATION
- COMBINATION HIGHWAY - RAILROAD GRADE SEPARATION
- OTHER BRIDGE
- TUNNEL
- TOLL BRIDGE, TUNNEL, HIGHWAY OR COMBINATION
- FRONTAGE ROAD
- TERMINATED CROSS ROAD
- INTERSECTION AT-GRADE
- URBAN AREA BOUNDARY
- POST MILEAGE
- ROUTE SECTIONS

SCALE IN MILES



MONTANA

INTERSTATE ROUTE 90

Sheet 4 of 11

Date October 31, 1969

COINCIDENT WITH INTERSTATE ROUTE 15

I 90-4 (5) 226 R-1C
I 90-4 (3) 226 - E

I 90-5 (3) 231

INTERSTATE ROUTE 115

I 90-4 (14) 226 C

I-IG 15-2 (17) 130-C (0.7mi. Rdwy Fence)

I 90-5 (6) 231 C (Rd, Sign, Str, Fence. 2.3mi)

G20.4 =
B12.24

G21 = (2.8Mi Rdwy. Str. Fence)
B12.3.1 (2.8 Mi Pave)

I 90-4 (8) 226 - C
I 90-4 (10) 229 C
I 90-4 (8) 227 C (2.6 Mi)
I 90-4 (17) 228 E
I 90-4 (18) 228
I 90-4 (19) 228 C (Str)

I 90-5 (8) 231 C
(ACCESS RD.)

LSI 90-5 (1) 233 C
(REST AREA)
I 90-5 (15) 231 PE

I 90-5 (22)

BUTTE

SILVER BOW CO.

EFFERSON

B12.3.2

B13.0.2

B13.0.1

G20.3 =
B12.1

G20.2 =
B11

N

T.2N.

R.8W.

TO RURAL AREA

TO RECREATION AREA

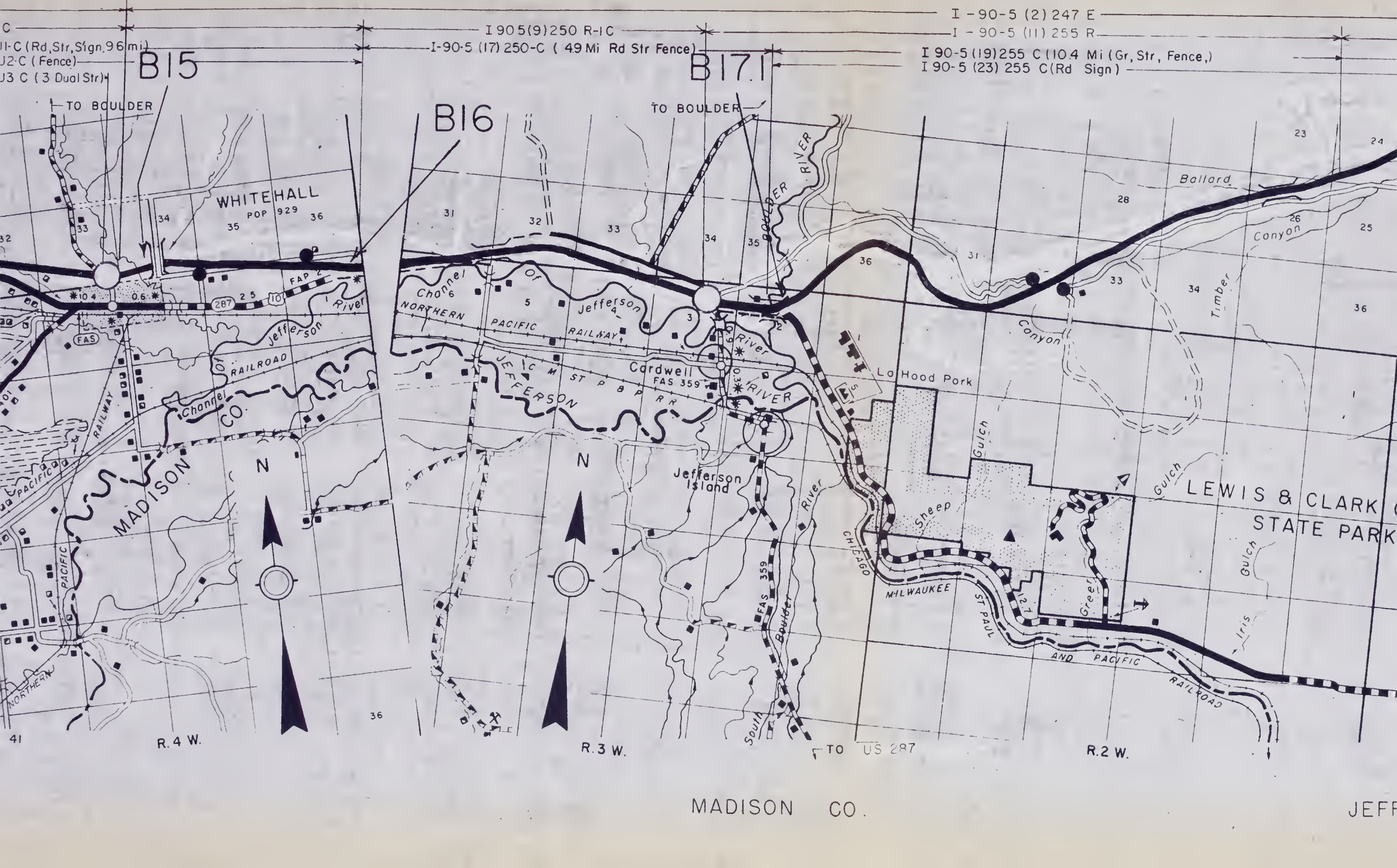
PIPESTONE PASS
ELEV 6418

Donald

T.1N.
R.7W.

SILVER BOW CO.





C
I-90-5 (2) 247 E
I-90-5 (11) 255 R
I-90-5 (17) 250-C (49 Mi Rd Str Fence)
I 90-5 (19) 255 C (10.4 Mi (Gr, Str, Fence,)
I 90-5 (23) 255 C (Rd Sign)

B15
B16
B17.1

TO BOULDER

WHITEHALL
POP 929

Jefferson
Channel
RAILROAD

RAILWAY

MADISON

N

R. 4 W.

36

31
32
33
34
35
36

Jefferson
Channel
RAILWAY

Cardwell
FAS 359

Jefferson
Island

Jefferson
River

TO BOULDER

Ballad
Canyon

Timber
Canyon

La Hood Park

Guich

Sheep

MILWAUKEE

ST PAUL

AND PACIFIC
RAILROAD

Greer

Iris

LEWIS & CLARK
STATE PARK

N

R. 3 W.

TO US 287

R. 2 W.

MADISON CO.

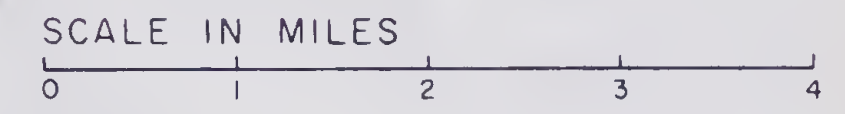
JEFF

5 (2) 247 E
 5 (11) 255 R
 255 C (10.4 Mi (Gr, Str, Fence,)
 255 C (Rd Sign)
 I-90-5 (12) 264 - R
 I-90-5 (18) 265 C (Rd Str.-Grass-Sign-Fence 70 Mi.)
 I 90-5 (24) 265-C (Surf Sign)



LEGEND FOR INTERSTATE ROUTES

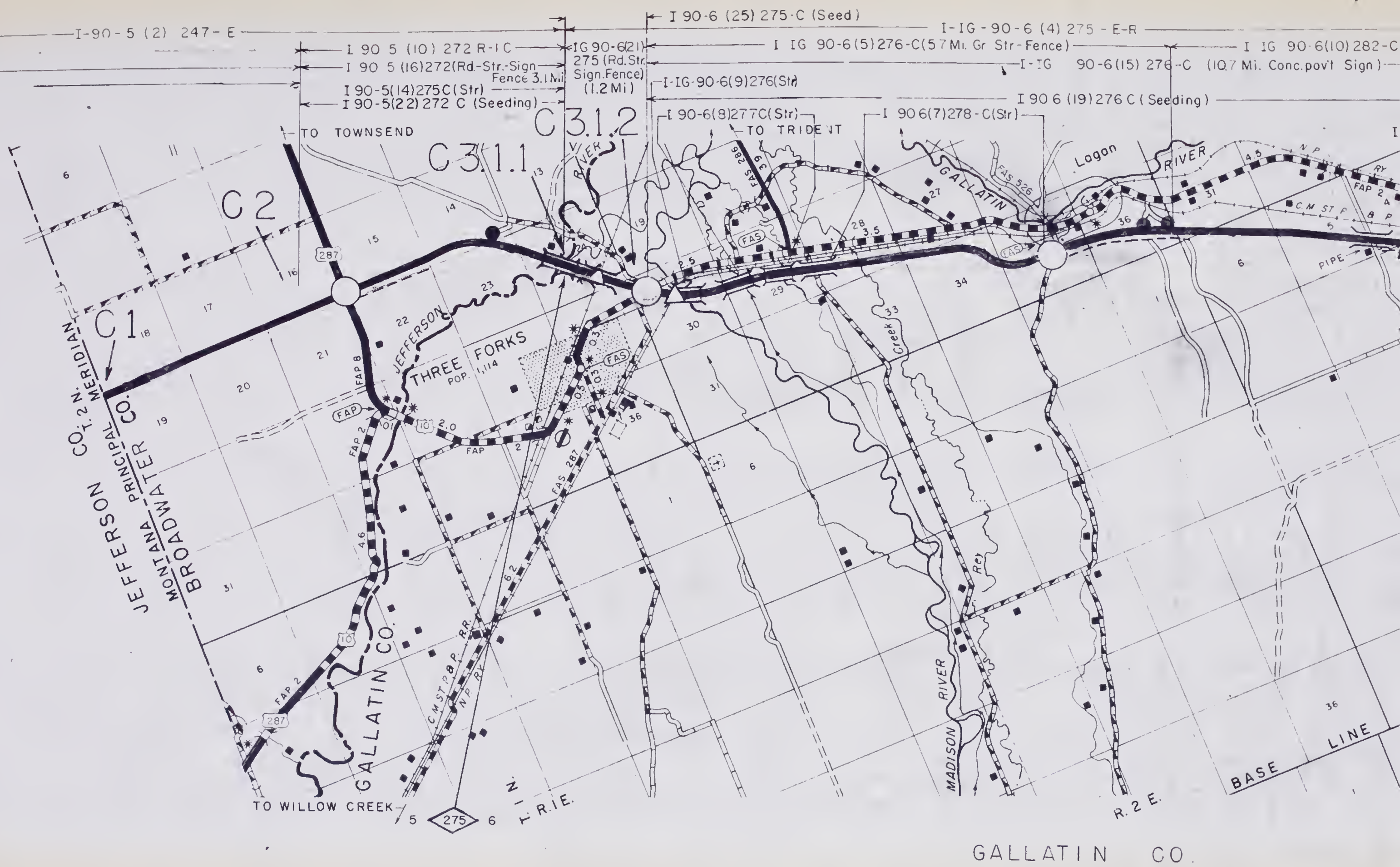
- INTERSTATE LOCATION STEP 4-5
- INTERSTATE LOCATION STEP 1-2-3
- INTERCHANGE
- HIGHWAY GRADE SEPARATION - NO CONNECTION
- RAILROAD GRADE SEPARATION
- COMBINATION HIGHWAY-RAILROAD GRADE SEPARATION
- OTHER BRIDGE
- TUNNEL
- TOLL BRIDGE, TUNNEL, HIGHWAY OR COMBINATION
- FRONTAGE ROAD
- TERMINATED CROSS ROAD
- INTERSECTION AT-GRADE
- URBAN AREA BOUNDARY
- POST MILEAGE
- ROUTE SECTIONS



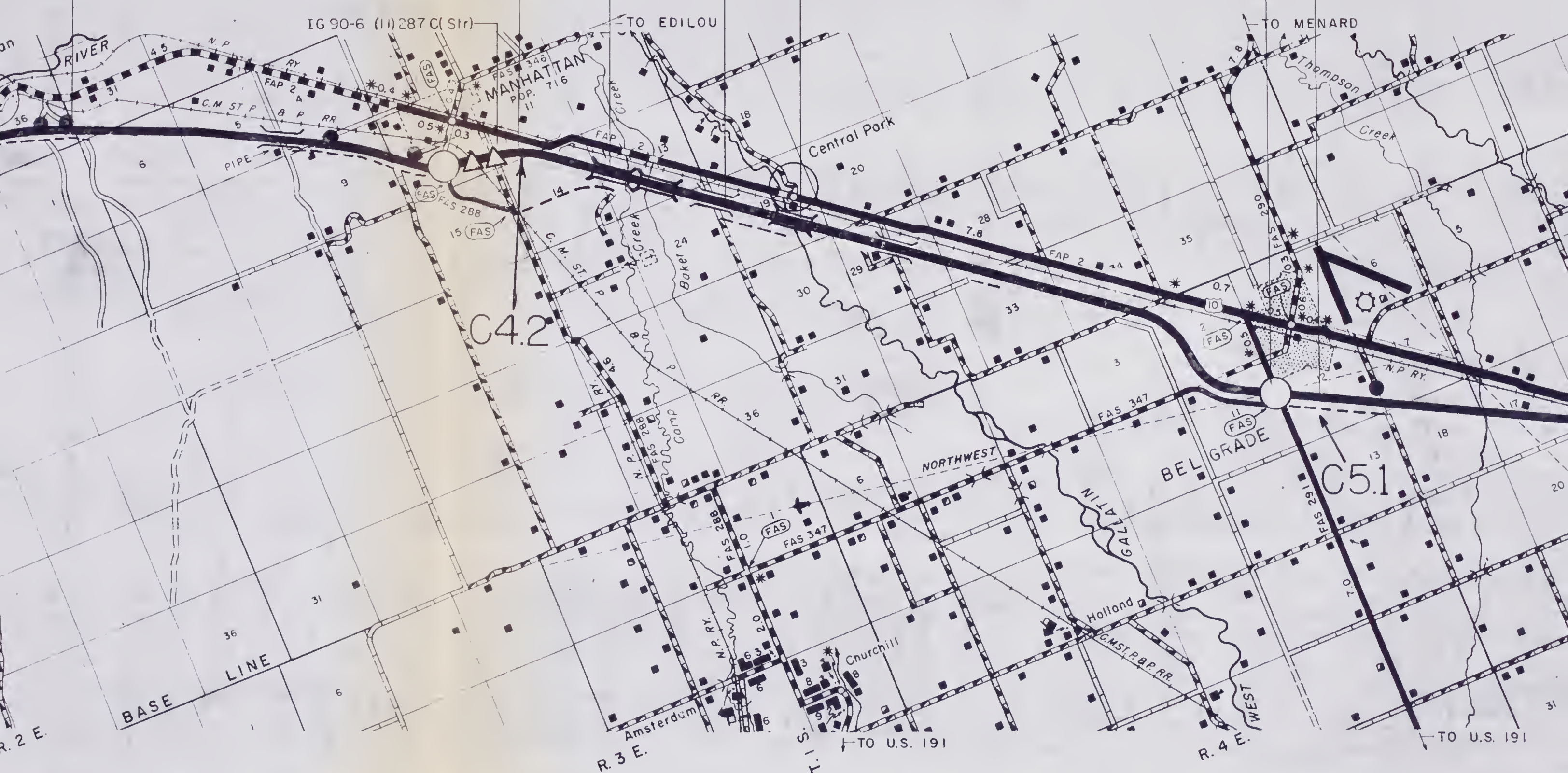
MONTANA INTERSTATE ROUTE 90

Sheet 5 of 11

Date October 31, 1969



E-R
I IG 90-6(10)282-C (5.0Mi Gr Str Fence)
6(15) 276-C (10.7 Mi. Conc.pav't Sign)
76 C (Seeding)
I-IG-90-6 (3) 287-E-R
I-IG-90-6 (14) 287-C (Rd, Sign, Fence 9.5 mi)
I 90 6(20) 287 C (Seeding)
I-IG-90-6 (14) 287 U3 (Structure)
I-IG-90-6 (14) 287 U4 Str.



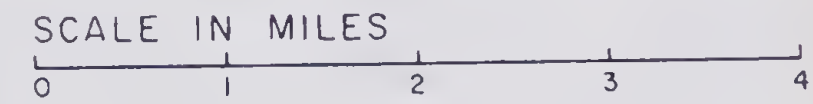
[illegible]

T-IG-90-6(1)303-E-R-IC
 G 90-6(24)306C(Str)
 G 90-6(23)304C(Fen.)
 Mi. Gr, Str, 6.2 Mi. Seed
 I IG 90-6(2)309-C (5.3 mi Rd-Str-Fence Seal Coat)
 I IG 90-6(6)309-C (Sign)
 I IG 90-6(12)309-C (Gross)
 I 90-6(17)315 PE
 I 90-6(26)315 R



LEGEND FOR INTERSTATE ROUTES

- INTERSTATE LOCATION STEP 4-5
- INTERSTATE LOCATION STEP 1-2-3
- INTERCHANGE
- HIGHWAY GRADE SEPARATION - NO CONNECTION
- RAILROAD GRADE SEPARATION
- COMBINATION HIGHWAY-RAILROAD GRADE SEPARATION
- OTHER BRIDGE
- TUNNEL
- TOLL BRIDGE, TUNNEL, HIGHWAY OR COMBINATION
- FRONTAGE ROAD
- TERMINATED CROSS ROAD
- INTERSECTION AT-GRADE
- URBAN AREA BOUNDARY
- POST MILEAGE
- ROUTE SECTIONS



MONTANA

INTERSTATE ROUTE 90

Sheet 6 of 11

Date October 31, 1969

CO.

I 90-7 (15) 318 PE
I 90-7 (28) 318 R

I-IG 90-7 (2) 327 E-R IC
I IG 90-7 (9) 327-C (11.8 Mi. Rdwy. Str. Fence RR)
I 90-7 (10) 327-C (Signs)
I 90-7 (12) 327-C (Seeding)
I 90-7 (27) 327-EC (Safety)

I 90-7 (26) 332 EC (Safety)
I 90-7 (4) 330-C
(STRUCTURES)

TO WHITE SULHUR SPRINGS

GALLATIN CO. T. 2 S.
PARK CO. C9

C10

C11

C11.1

LIVINGSTON
POP. 7,683

C13

C14

C12.1

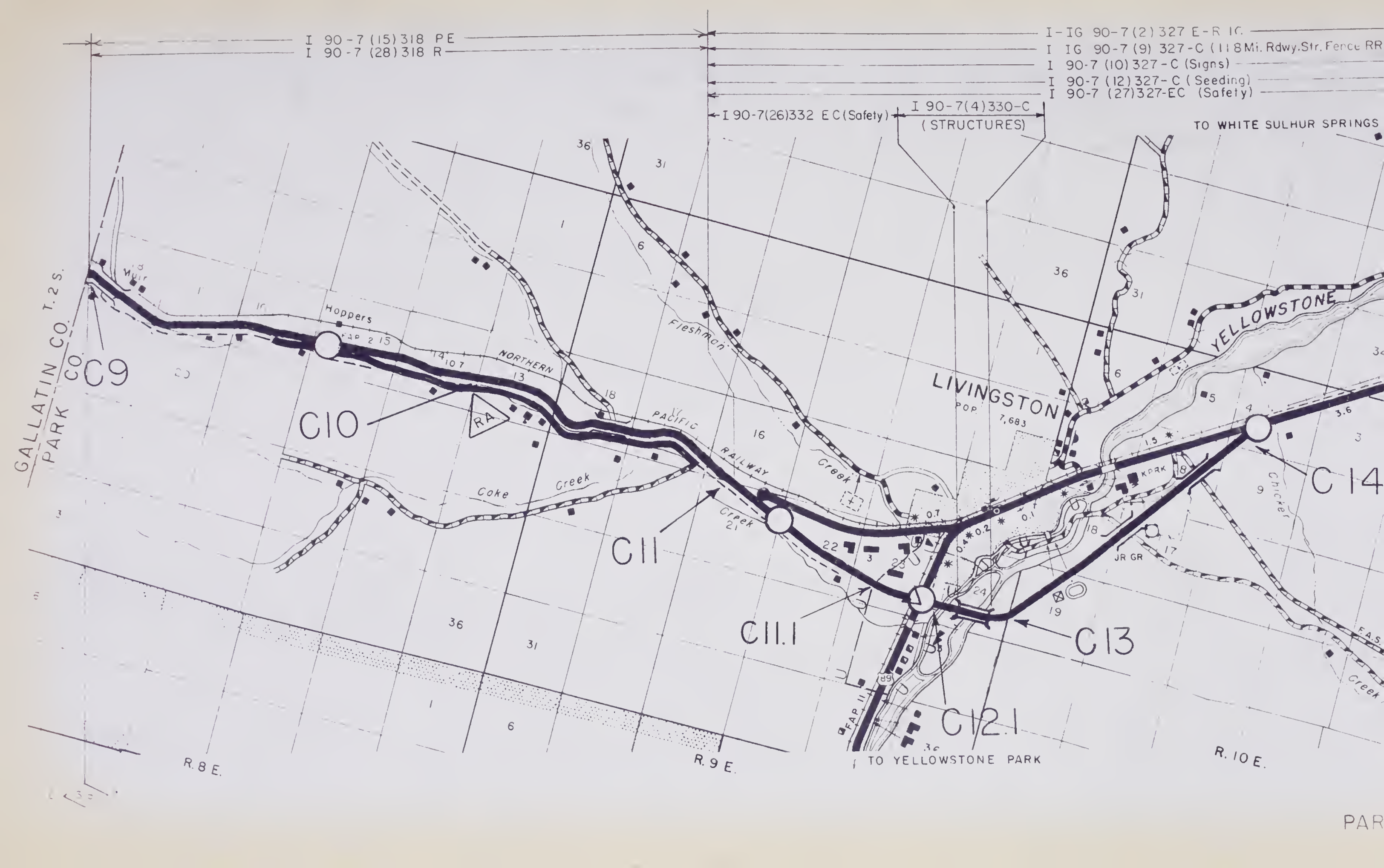
R. 8 E.

R. 9 E.

R. 10 E.

TO YELLOWSTONE PARK

PAR



I-IG 90-7(2) 327 E-R IC
I IG 90-7(9) 327-C (11.8 Mi. Rdwy. Str. Fence RR Line Change. Seal Coat)
I 90-7(10) 327-C (Signs)
I 90-7(12) 327-C (Seeding)
I 90-7(27) 327-EC (Safety)

I-90-7(3) 339 E-R-C (11.8 Mi. Rdwy. Str. Fence RR Line Change. Seal Coat)

I-90-7(5) 339-C (SIGNING)
I-90-7(21) 339 E

90-7(4) 330-C
(STRUCTURES)

I-90-7(16) 346 PE(S)
I-90-7(19) 346 C(Med)



YELLOWSTONE PARK

R. 10 E.

TO RURAL AREA

TO RURAL AREA
R. 11 E.

R. 12 E.

PARK CO.

IN-90-7(1) 350-E-C (13.6 Mi Pdw)

I 90 7 (17) 350 PE

D-7 (16) 346 PE(Safety)
D-7 (19) 346 C(Median)



SWEET GRASS CO



LEGEND FOR INTERSTATE ROUTES

- INTERSTATE LOCATION STEP 4 - 5
- INTERSTATE LOCATION STEP 1 - 2 - 3
- INTERCHANGE
- HIGHWAY GRADE SEPARATION - NO CONNECTION
- RAILROAD GRADE SEPARATION
- COMBINATION HIGHWAY-RAILROAD GRADE SEPARATION
- OTHER BRIDGE
- TUNNEL
- TOLL BRIDGE, TUNNEL, HIGHWAY OR COMBINATION
- FRONTAGE ROAD
- TERMINATED CROSS ROAD
- INTERSECTION AT-GRADE
- URBAN AREA BOUNDARY
- POST MILEAGE
- ROUTE SECTIONS

SCALE IN MILES

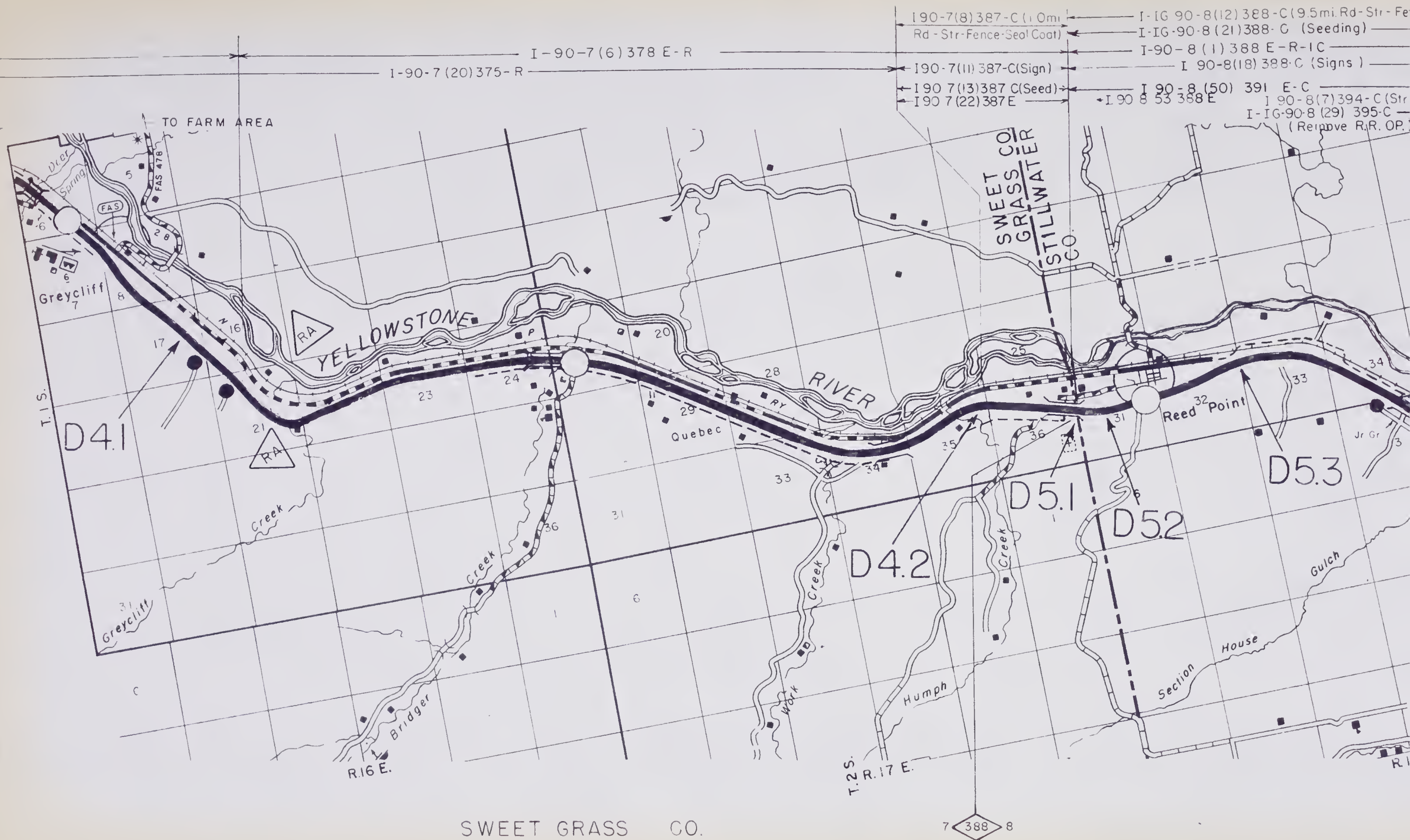


MONTANA

INTERSTATE ROUTE 90

Sheet 7 of 11

Date October 31, 1969



- I-90-7(8)387-C(1.0mi Rd-Str-Fence-Seal Coat)
- I-IG-90-8(12)388-C(9.5mi.Rd-Str-Fe)
- I-IG-90-8(21)388-C (Seeding)
- I-90-8(1)388 E-R-IC
- I-90-8(18)388-C (Signs)
- I-90-7(11)387-C(Sign)
- I-90-8(50)391 E-C
- I-90-7(13)387 C(Seed)
- I-90-8(7)394-C(Str)
- I-90-7(22)387E
- I-IG-90-8(29)395-C (Remove R.R. OP.)
- I-90-8 53 388 E

SWEET GRASS CO.

7 388 8

TO RED LODGE R. 20 E.

I 90-8 (14) 399-E

I-90-8(3) 417-ER

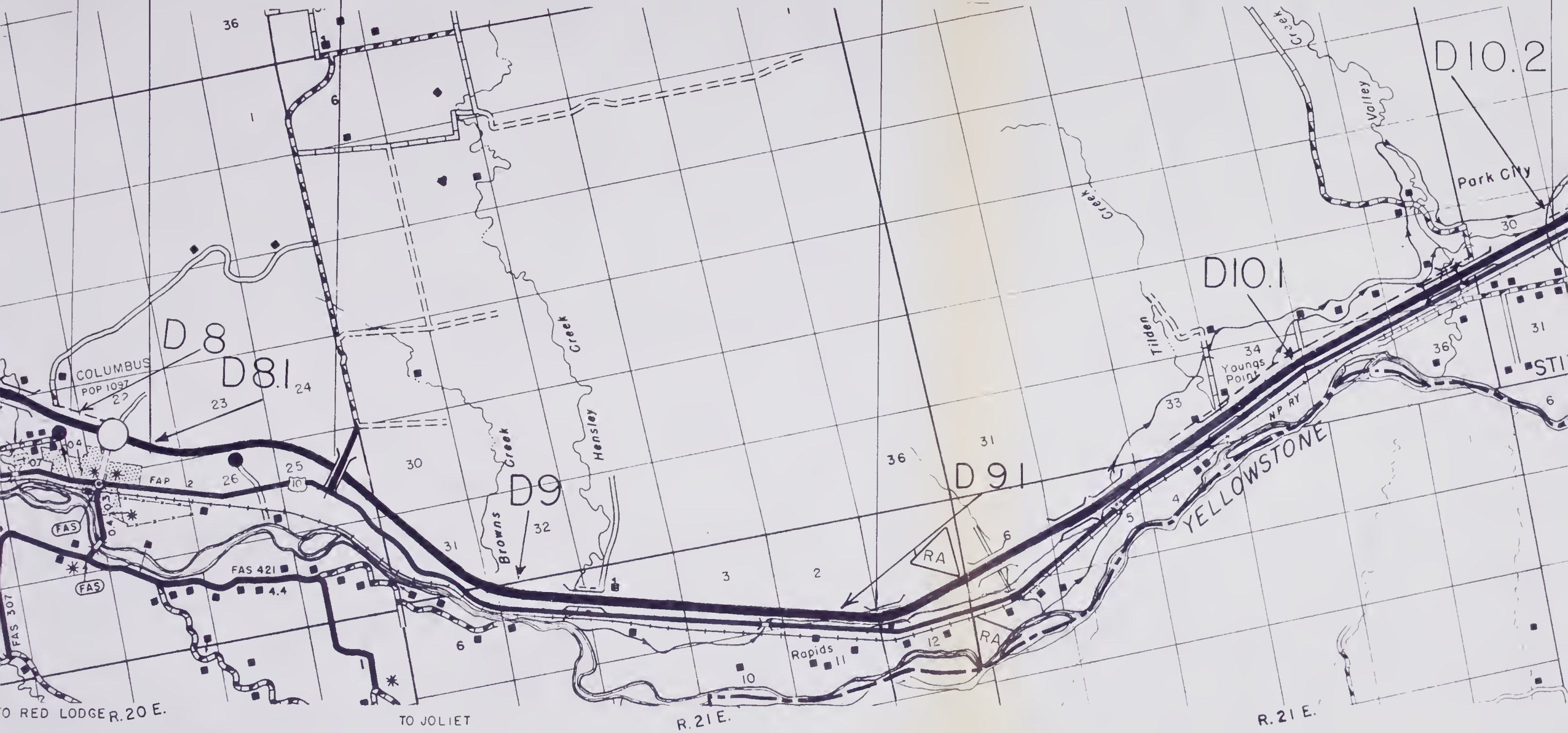
I-90-8(42) 417-R

I-90-8(48) 416-C (Rd.-Fence 92 Mi)

I-90-8 (35) 406 RIC

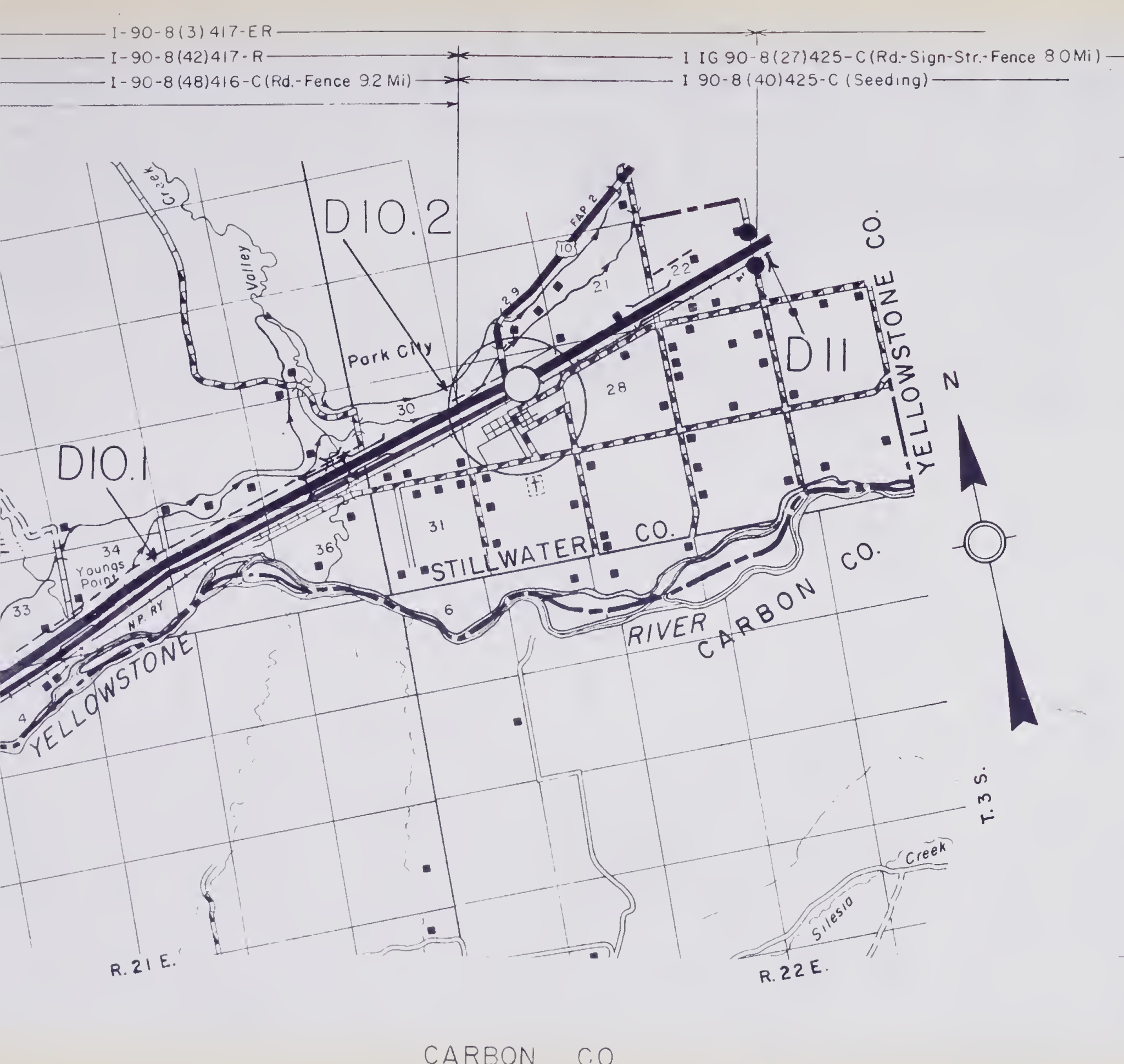
I-90-8 (36) 407-C (8.4 mi Gr, Str, Seed, Fence)

I 90-8(60) 410 C (14.2 mi. Surf. Sign)



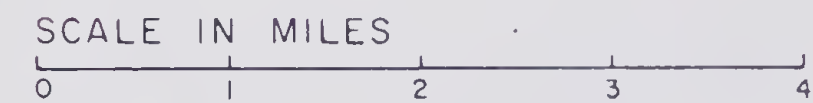
STILLWATER CO.

CA



LEGEND FOR INTERSTATE ROUTES

- INTERSTATE LOCATION STEP 4 - 5
- INTERSTATE LOCATION STEP 1 - 2 - 3
- INTERCHANGE
- HIGHWAY GRADE SEPARATION - NO CONNECTION
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- COMBINATION HIGHWAY - RAILROAD GRADE SEPARATION
- OTHER BRIDGE
- TUNNEL
- TOLL BRIDGE, TUNNEL, HIGHWAY OR COMBINATION
- FRONTAGE ROAD
- TERMINATED CROSS ROAD
- INTERSECTION AT-GRADE
- URBAN AREA BOUNDARY
- POST MILEAGE
- ROUTE SECTIONS



MONTANA

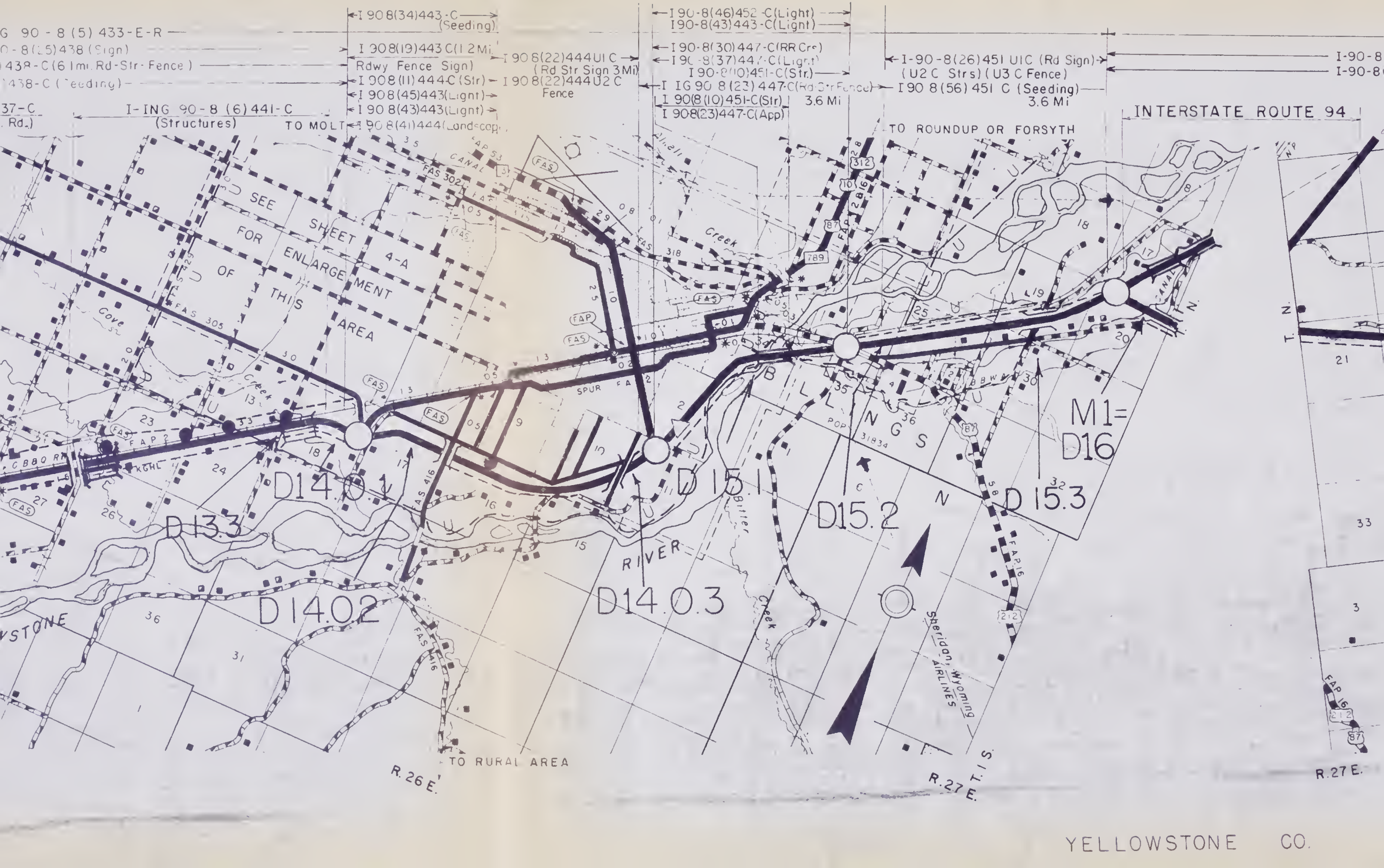
INTERSTATE ROUTE 90

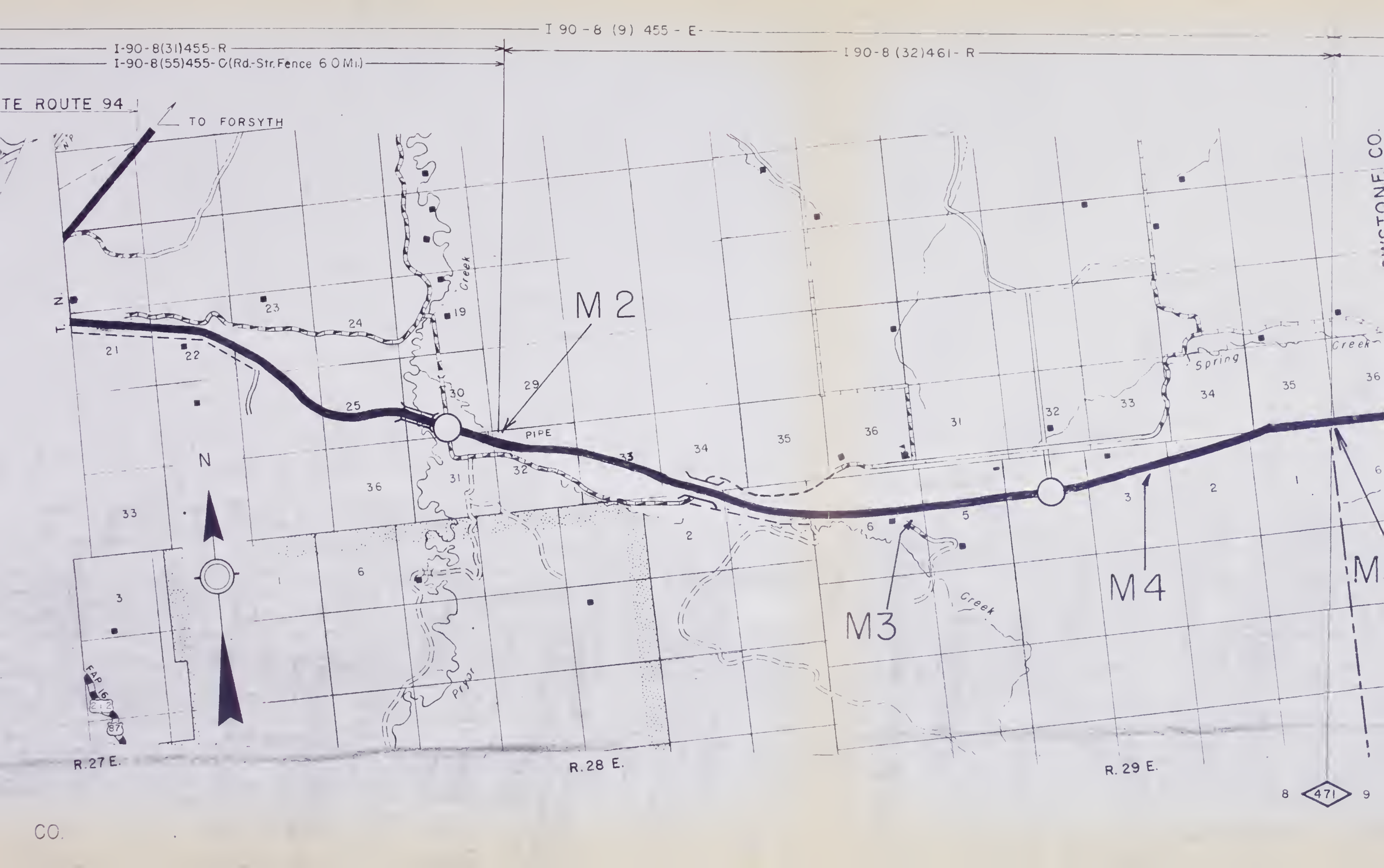
Sheet 8 of 11

Date October 31, 1969

I-IG 90-8(4) 428 -E-RIC
 I-IG 90-8(21) 425-C (Rd-Sign-Str Fence)
 I-90-8(40) 425-C (Seeding)
 I-IG 90-8(17) 433-C (5.3 Mi. Rdwy. Str. Fence Weigh Sta)
 I 90-8(24) 433-C (Sign-Delin.)
 I 90-8(33) 433-C (Seeding)
 I-IG 90-8(5) 433-E-R
 I-90-8(5) 438 (Sign)
 I 90-8(8) 438-C (6.1 mi. Rd-Str-Fence)
 I 90-8(15) 438-C (Seeding)
 I-IG 90-8(28) 432-C (Str.-Frtg. Rd.)
 I 90-8(16) 437-C (Str. on Frt. Rd.)
 I-ING 90-8(6) 441-C (Structures)





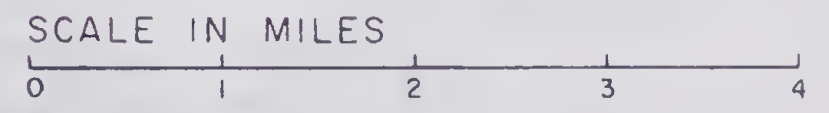


I - IG 90 - 9 (8) 471 - E
I - IG - 90 - 9 (25) 471 - R



LEGEND FOR INTERSTATE ROUTES

- INTERSTATE LOCATION STEP 4 - 5
- INTERSTATE LOCATION STEP 1 - 2 - 3
- INTERCHANGE
- HIGHWAY GRADE SEPARATION - NO CONNECTION
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- TOLL BRIDGE, TUNNEL, HIGHWAY OR COMBINATION
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- POST MILEAGE
- ROUTE SECTIONS



MONTANA

INTERSTATE ROUTE 90

Sheet 9 of 11

Date October 31, 1969

I-IG 90-9(8) 471-E

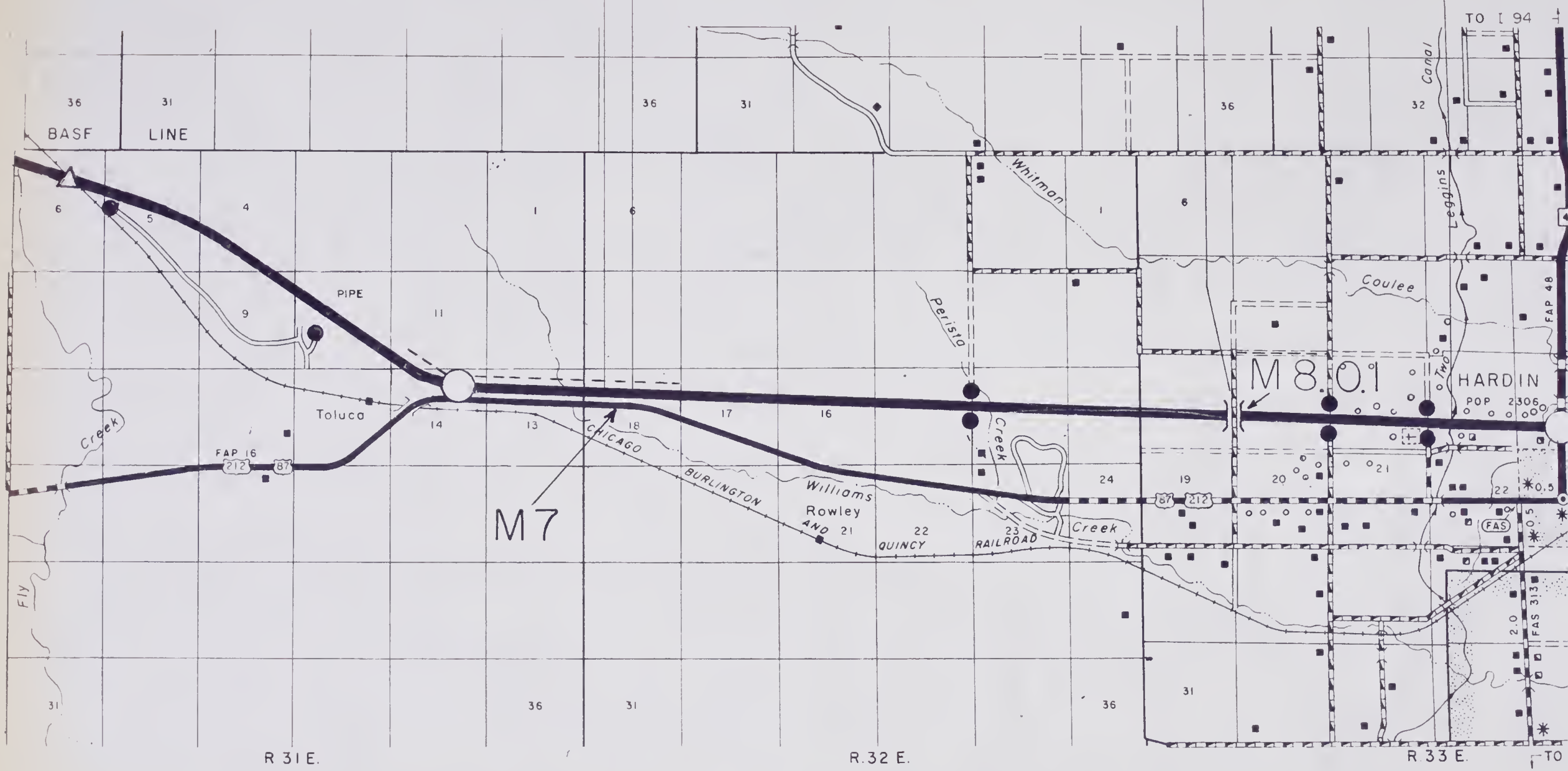
I 90-9(15) 483-R

I 90-9(17) 483-C (Rd.- Fence-6.2 Mi)

I 90-9(30) 483-C (Surf, Light, Sign)

I IG-90-9

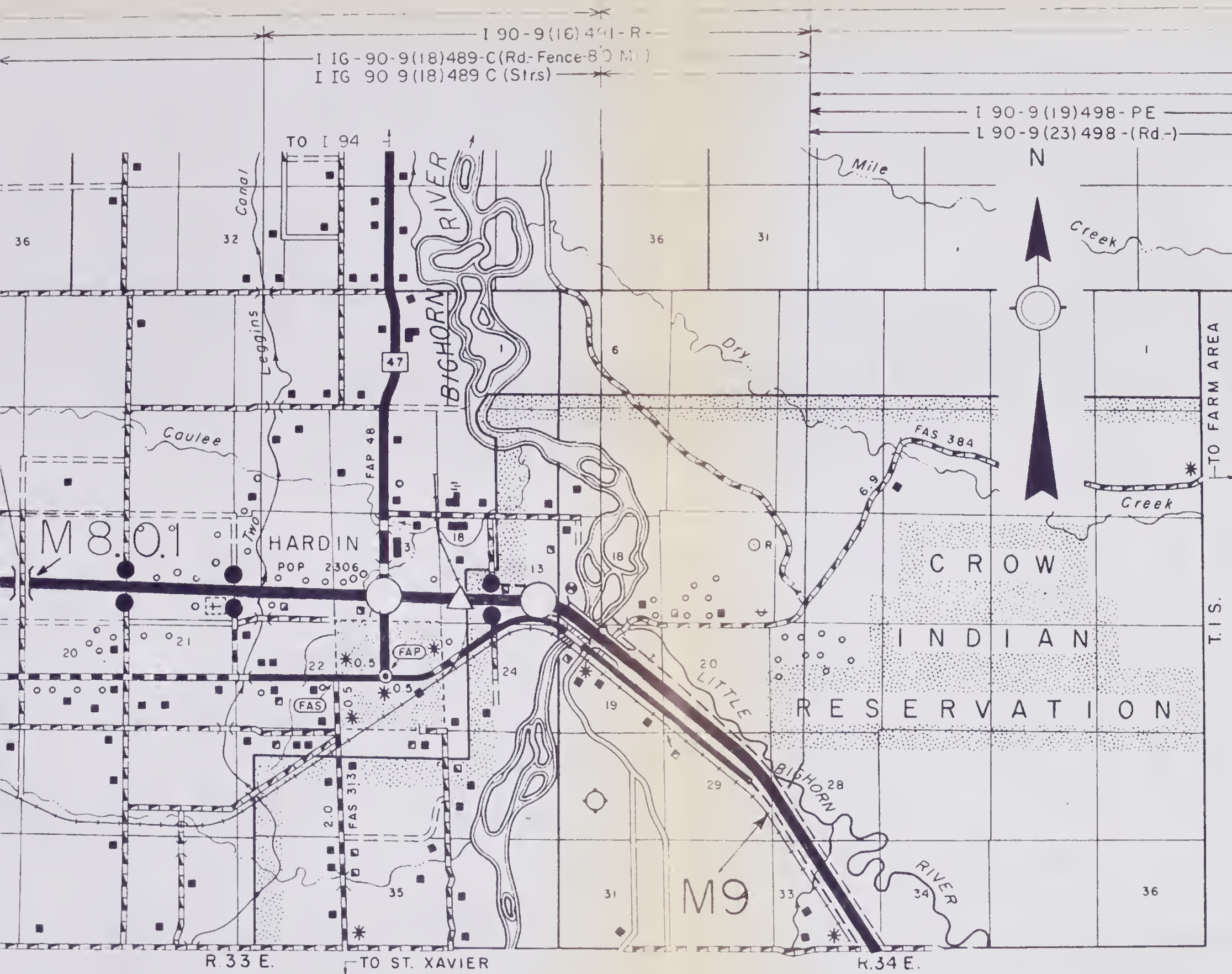
I IG 90-9



R 31 E.

R.32 E.

R 33 E.



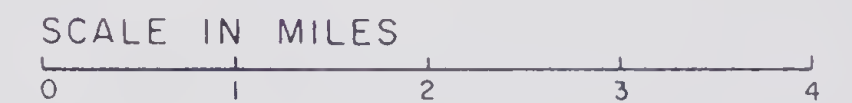
BIG HORN CO.





LEGEND FOR INTERSTATE ROUTES

- INTERSTATE LOCATION STEP 4 - 5
- INTERSTATE LOCATION STEP 1 - 2 - 3
- INTERCHANGE
- HIGHWAY GRADE SEPARATION - NO CONNECTION
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- COMBINATION HIGHWAY - RAILROAD GRADE SEPARATION
- OTHER BRIDGE
- TUNNEL
- TOLL BRIDGE, TUNNEL, HIGHWAY OR COMBINATION
- FRONTAGE ROAD
- TERMINATED CROSS ROAD
- INTERSECTION AT-GRADE
- URBAN AREA BOUNDARY
- POST MILEAGE
- ROUTE SECTIONS



MONTANA

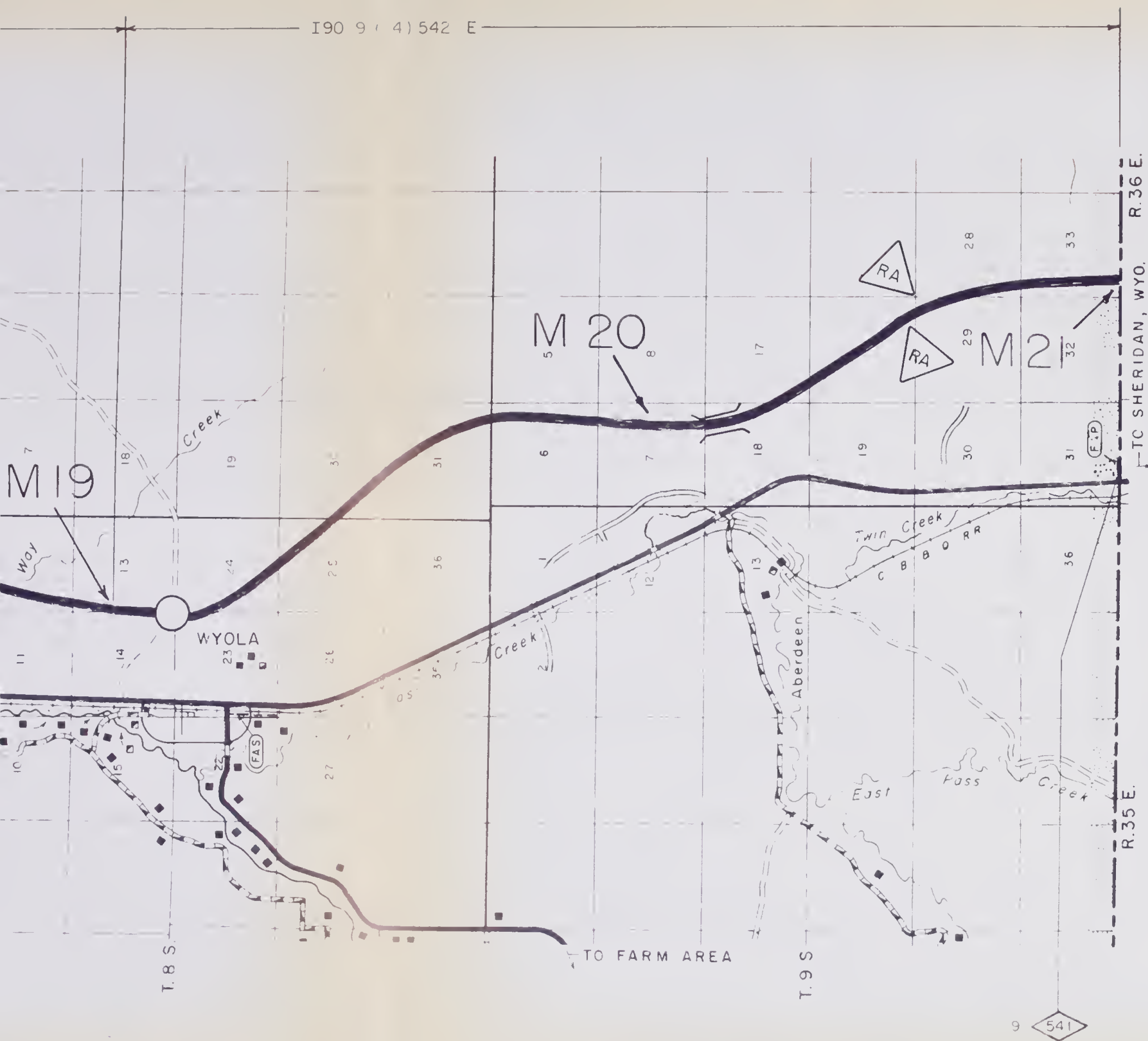
INTERSTATE ROUTE 90

Sheet 10 of 11

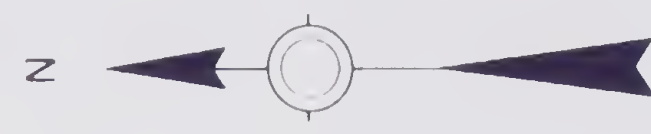
Date October 31, 1969



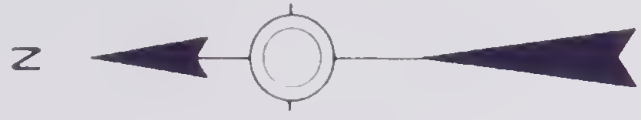
BIG HORN CO.









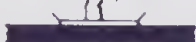




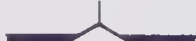


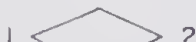
W Y O M I N G

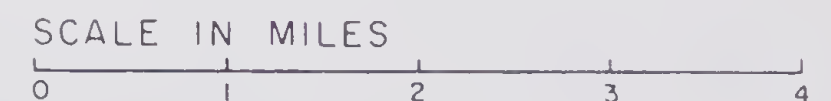


W Y O M I N G



LEGEND FOR INTERSTATE ROUTES

-  INTERSTATE LOCATION STEP 4 - 5
-  INTERSTATE LOCATION STEP 1 - 2 - 3
-  INTERCHANGE
-  HIGHWAY GRADE SEPARATION - NO CONNECTION
-  RAILROAD GRADE SEPARATION
-  COMBINATION HIGHWAY-RAILROAD GRADE SEPARATION
-  OTHER BRIDGE
-  TUNNEL
-  TOLL BRIDGE, TUNNEL, HIGHWAY OR COMBINATION
-  FRONTAGE ROAD
-  TERMINATED CROSS ROAD
-  INTERSECTION AT-GRADE
-  URBAN AREA BOUNDARY
-  POST MILEAGE
-  ROUTE SECTIONS



MONTANA

INTERSTATE ROUTE 90

Sheet II of II

Date October 31, 1969.

TABLE B - DESIGN CLASSIFICATION BY ESTIMATE SECTIONS

STATE MONTANAINTERSTATE ROUTE NO. 94Sheet 1 of 5 Sheets

ITEM	ESTIMATE SECTION													
	D16 D17	D17 D18	D18 D19	D19 D20.1	D20.1 D20.2	D20.2 D21.1	D21.1 D21.2	D21.2 D22.1	D22.1 D22.2	D22.2 D23	D23 D24	D24 D25.0.1	D25.0.1 D25.0.2	D25.0.2 D26.1
	23	20	23	23	23	23	23	23	23	23	23	23	23	23
1. Section Length, miles (0.1)	6.5	6.5	10.5	9.0	1.9	3.4	5.1	3.0	3.7	1.3	1.0	3.5	4.0	2.1
2. Class: Rural or Urban (R or U)	R	R	R	R	R	R	R	R	R	R	R	R	R	R
3. Urban Area identification (name and code)														
4. Location: Existing, new or toll (E, N or T)	N	N	N	N	N	N	N	N	N	N	N	N	N	N
5. Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6. Design speed (V)	60	70	70	70	70	70	70	70	50	70	70	50	50	50
7. Traffic: a. ADT 1967	2185	1884	1884	1472	1472	1472	1472	1472	1472	1451	1461	1461	1461	1461
b. ADT 1975	4800	4150	4150	3150	3150	3150	3150	3150	3150	3100	3150	3150	3150	3150
c. ADT 1990	6850	5900	5900	4400	4400	4400	4400	4400	4400	4350	4350	4350	4350	4350
8. Traffic: a. Design year (19)	85	86	87	91	91	90	90	91	91	93	93	93	75	94
b. ADT Design year	6150	5450	5550	4500	4500	4400	4400	4500	4500	4600	4650	4650	3150	4700
c. DHV Design year	740	650	670	540	540	530	530	540	540	550	560	560	380	560
d. D Directional distribution factors	55	55	55	55	55	55	55	55	55	55	55	55	55	55
e. T Percent trucks design year (DHV)	9	9	9	10	10	10	10	10	10	10	10	10	10	10
f. T Percent trucks design year (ADT)	14	14	14	15	15	15	15	15	15	15	15	15	15	15
g. Assigned Corridor ADT design year														
9. Number of through traffic lanes (Design yr trf)	4	4	4	4	4	4	4	4	4	4	4	4	4	4
10. Mileage without frontage roads	6.5	6.5	10.5								1.0		4.0	
11. Mileage with frontage road one side only				7.7	1.9	1.7	5.1	3.0	1.8	1.3		2.0		2.1
12. Mileage with frontage roads on both sides				1.3		1.7			1.9			1.5		
13. Typical cross-section reference	30	30	30	30	30	30	30	30	30	20	20	20	40	20
14. Right-of-Way Width: Minimum	230	230	230	300	300	260	260	300	300	270	270	270	270	250
Prevailing	320	320	320	400	400	450	450	300	300	270	270	270	330	270
15. Median Width: Minimum	50	76	76	76	76	76	76	76	76	46	46	46	10	46
Prevailing	50	76	76	76	76	76	76	76	76	46	46	46	10	46

TABLE B - DESIGN CLASSIFICATION BY ESTIMATE SECTIONS

STATE MONTANA

INTERSTATE ROUTE NO. 94

Sheet 2 of 5 Sheets

ITEM	ESTIMATE SECTION													
	D26.1	D26.2	D27	E1	E2.1	E2.2	E3	E4	E4.1	E4.1	E5	E6	E6.1	E7
	D26.2	D27	E1	E2.1	E2.2	E3	E4	E4.1	E5	E6	E6.1	E7	E8	E9.0.1
	23	23	23	23	23	23	23	23	21	21	21	21	23	23
1. Section Length, miles (0.1)	5.6	4.1	5.8	7.2	1.6	5.4	2.9	2.7	4.4	4.5	7.5	0.7	4.9	8.6
2. Class: Rural or Urban (R or U)	R	R	R	R	R	R	R	R	R	R	R	R	R	R
3. Urban Area identification (name and code)														
4. Location: Existing, new or toll (E, N or T)	N	N	N	N	N	N	N	N	N	N	N	N	N	N
5. Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6. Design speed (V)	50	60	70	70	70	60	50	70	70	70	70	70	70	60
7. Traffic: a. ADT 1967	1461	1421	1409	1409	1409	1579	1579	1553	1553	1553	1515	1515	1555	1580
b. ADT 1975	3150	3050	3000	3000	3000	3400	3400	3300	3300	3300	3250	3250	3350	3400
c. ADT 1990	4350	4250	4200	4200	4200	4700	4700	4650	4650	4650	4550	4550	4650	4700
8. Traffic: a. Design year (19)	94	94	94	91	91	91	91	91	89	89	89	89	93	94
b. ADT Design year	4700	4600	4550	4300	4300	4800	4800	4750	4550	4550	4450	4450	4950	5100
c. DHV Design year	560	550	550	520	520	580	580	570	550	550	530	530	590	610
d. D Directional distribution factors	55	55	55	55	55	55	55	55	55	55	55	55	55	55
e. T Percent trucks design year (DHV)	10	10	10	10	10	10	10	10	10	10	10	10	10	10
f. T Percent trucks design year (ADT)	15	15	15	15	15	16	16	16	16	16	14	14	14	14
g. Assigned Corridor ADT design year														
9. Number of through traffic lanes (Design yr trf)	4	4	4	4	4	4	4	4	4	4	4	4	4	4
10. Mileage without frontage roads	3.2	1.6	5.8	4.7	1.1	4.4								1.1
11. Mileage with frontage road one side only	2.4	2.5		0.5		1.0	2.9	2.3	4.4	4.5	7.0	0.7	2.4	6.3
12. Mileage with frontage roads on both sides				2.0	0.5			0.4			0.5		2.5	1.2
13. Typical cross-section reference	20	20	20	20	20	20	30	30	30	30	30	30	20	20
14. Right-of-Way Width: Minimum	250	280	280	270	270	270	300	300	310	310	250	250	230	270
Prevaling	270	330	330	300	300	300	300	300	350	350	320	320	230	360
15. Median Width: Minimum	46	76	76	76	76	76	46	46	76	76	76	76	46	46
Prevaling	46	76	76	76	76	76	46	46	76	76	76	76	46	46

TABLE B - DESIGN CLASSIFICATION BY ESTIMATE SECTIONS

STATE MONTANA

INTERSTATE ROUTE NO. 94

Sheet 3 of 5 Sheets

ITEM	ESTIMATE SECTION													
	E9.0.1	E9.0.2	E9.0.3	E10	E11	E12	E13	E14	E14.1	E15.1	F1	F2	F3	F4
	E9.0.2	E9.0.3	E10	E11	E12	E13	E14	E14.1	E15.1	F1	F2	F3	F4	F5
	23	23	23	23	23	23	23	22	22	23	23	23	23	21
1. Section Length, miles (0.1)	6.3	0.8	1.4	1.2	3.0	4.9	2.5	0.7	5.1	8.9	6.3	4.1	4.0	2.2
2. Class: Rural or Urban (R or U)	R	R	R	R	R	R	R	R	R	R	R	R	R	R
3. Urban Area identification (name and code)														
4. Location: Existing, new or toll (E, N or T)	N	N	N	N	N	N	N	E	E	N	N	N	N	N
5. Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6. Design speed (V)	60	70	70	70	70	70	70	70	70	60	70	70	70	70
7. Traffic: a. ADT 1967	1766	1766	1092	1092	1311	1311	1311	1407	1407	1451	1451	1451	1451	1422
b. ADT 1975	3800	3800	2350	2350	2800	2800	2800	3000	3000	3100	3100	3100	3100	3050
c. ADT 1990	5300	5300	3250	3250	3900	3900	3900	4200	4200	4350	4350	4350	4350	4250
8. Traffic: a. Design year (19)	91	75	91	94	94	94	94	91	91	90	90	90	90	88
b. ADT Design year	5400	3800	3350	3500	4200	4200	4200	4300	4300	4350	4350	4350	4350	4100
c. DHV Design year	650	460	400	420	500	500	500	520	520	520	520	520	520	490
d. D Directional distribution factors	55	55	55	55	55	55	55	55	55	55	55	55	55	55
e. T Percent trucks design year (DHV)	10	10	11	11	10	10	10	10	10	10	10	10	10	10
f. T Percent trucks design year (ADT)	14	14	17	17	15	15	15	15	15	15	15	15	15	16
g. Assigned Corridor ADT design year														
9. Number of through traffic lanes (Design yr trf)	4	4	4	4	4	4	4	4	4	4	4	4	4	4
10. Mileage without frontage roads	2.7	0.3	1.4	1.2	3.0	4.9	2.5	0.7	5.1				1.8	
11. Mileage with frontage road one side only	3.6	0.5								8.9	6.3	4.1	2.2	1.5
12. Mileage with frontage roads on both sides														0.7
13. Typical cross-section reference	20	31	20	20	20	20	20	20	30	30	30	30	30	30
14. Right-of-Way Width: Minimum	300	300	300	240	240	240	240	300	300	350	350	280	280	300
Prevailing	400	400	400	250	250	250	250	350	350	400	400	300	300	300
15. Median Width: Minimum	46	46	46	46	46	46	46	46	46	76	76	76	76	76
Prevailing	46	46	46	46	46	46	46	46	46	76	76	76	76	76

TABLE B - DESIGN CLASSIFICATION BY ESTIMATE SECTIONS

STATE MONTANAINTERSTATE ROUTE NO. 94Sheet 4 of 5 Sheets

ITEM	ESTIMATE SECTION													
	F5	F6	F7	F8	F9	F10	F11	F12	F13.1	F13.2	F13.3	F14	F14.1	F15
	F6	F7	F8	F9	F10	F11	F12	F13.1	F13.2	F13.3	F14	F14.1	F15	F15.1
	21	23	23	22	22	22	22	23	23	21	21	21	21	23
1. Section Length, miles (0.1)	4.3	2.5	0.2	4.0	5.9	5.5	7.3	1.5	2.1	1.0	0.3	0.1	0.2	1.0
2. Class: Rural or Urban (R or U)	R	R	R	R	R	R	R	R	U*	R	R	U*	U*	U*
3. Urban Area identification (name and code)									360#			360#	360#	360#
4. Location: Existing, new or toll (E, N or T)	N	N	N	E	E	E	E	N	N	N	N	N	N	E
5. Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6. Design speed (V)	70	70	70	70	70	70	70	70	70	70	70	70	70	70
7. Traffic: a. ADT 1967	1422	1422	1422	1422	1438	1505	1565	1565	2095	2095	2095	2095	2095	1515
b. ADT 1975	3050	3050	3050	3050	3100	3200	3350	3350	4500	4500	4500	4500	4500	3250
c. ADT 1990	4250	4250	4250	4250	4300	4500	4700	4700	6250	6250	6250	6250	6250	4550
8. Traffic: a. Design year (19)	88	91	91	91	91	91	91	88	88	87	87	87	87	87
b. ADT Design year	4100	4300	4300	4300	4400	4600	4800	4500	6050	5900	5900	5900	5900	4300
c. DHV Design year	490	520	520	520	530	550	580	540	800	780	780	780	780	570
d. D Directional distribution factors	55	55	55	55	55	55	55	55	55	55	55	55	55	55
e. T Percent trucks design year (DHV)	10	10	10	10	10	10	10	10	7	7	7	7	7	13
f. T Percent trucks design year (ADT)	16	16	16	16	16	16	16	16	10	10	10	10	10	19
g. Assigned Corridor ADT design year														
9. Number of through traffic lanes (Design yr trf)	4	4	4	4	4	4	4	4	4	4	4	4	4	4
10. Mileage without frontage roads				2.2	3.7	2.6	4.4	0.5	1.4	1.0	0.3	0.1	0.2	
11. Mileage with frontage road one side only	4.3	1.7	0.2	1.5	0.8	1.4	2.2	1.0	0.7					
12. Mileage with frontage roads on both sides		0.8		0.3	1.4	1.5	0.7							1.0
13. Typical cross-section reference	30	30	61	30	30	30	30	30	30	30	61	61	30	30
14. Right-of-Way Width: Minimum	300	300	300	300	280	250	250	240	240	240	240	240	240	240
Prevailing	300	300	300	300	280	300	300	270	270	270	270	270	270	270
15. Median Width: Minimum	76	76	76	76	76	76	76	46	46	46	46	46	46	46
Prevailing	76	76	76	76	76	76	76	46	46	46	46	46	46	46

Glendive

* Section is comparable to a corresponding section in the 1968 Estimate.

TABLE B - DESIGN CLASSIFICATION BY ESTIMATE SECTIONS

STATE MONTANAINTERSTATE ROUTE NO. 94Sheet 5 of 5 Sheets

ITEM	ESTIMATE SECTION								SUBTOTAL		
	F15.1 F16	F16 F17.1	F17.1 F17.2	F17.2 F18	F18 F19	F19 F20	F20 F20.1		RURAL	URBAN	TOTAL
	21	22	23	23	22	22	22				
1. Section Length, miles (0.1)	1.7	1.4	2.7	12.8	4.7	4.7	5.9		245.2	3.4	248.6
2. Class: Rural or Urban (R or U)	R	R	R	R	R	R	R				
3. Urban Area identification (name and code)											
4. Location: Existing, new or toll (E, N or T)	E	E	N	N	E	E	E				
5. Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1				
6. Design speed (V)	70	70	70	70	70	70	70				
7. Traffic: a. ADT 1967	1515	1515	1515	1515	1440	1500	1500				
b. ADT 1975	3250	3250	3250	3250	3100	3200	3200				
c. ADT 1990	4550	4550	4550	4550	4300	4500	4500				
8. Traffic: a. Design year (19)	87	92	92	92	93	93	93				
b. ADT Design year	4300	4700	4700	4700	4550	4750	4750				
c. DHV Design year	570	620	620	620	600	630	630				
d. D Directional distribution factors	55	55	55	55	55	55	55				
e. T Percent trucks design year (DHV)	13	13	13	13	13	13	13				
f. T Percent trucks design year (ADT)	19	19	19	19	19	19	19				
g. Assigned Corridor ADT design year											
9. Number of through traffic lanes (Design yr trf)	4	4	4	4	4	4	4				
10. Mileage without frontage roads		1.4	0.7		3.5	2.7	4.7		101.7	1.7	103.4
11. Mileage with frontage road one side only	1.7		2.0	9.4	1.2	2.0	1.2		121.2	.7	121.9
12. Mileage with frontage roads on both sides				3.4					22.3	1.0	23.3
13. Typical cross-section reference	30	20	20	20	30	30	30				
14. Right-of-Way Width: Minimum	240	300	300	300	350	270	240				
Prevailing	270	300	300	300	350	300	240				
15. Median Width: Minimum	46	46	46	46	46	46	46				
Prevailing	46	46	46	46	46	46	46				

Signature: James M. Sullivan State Highway Engineer March 1, 1970
 State: _____ Name _____ Title _____ Date _____

H. M. Stewart Division Engineer March 1, 1970
 BPR: _____ Name _____ Title _____ Date _____

TABLE C - COST ESTIMATE BY ESTIMATE SECTIONS WITH ROUTE TOTALS

STATE MONTANAINTERSTATE ROUTE NO. 94
Sheet 1 of 5 Sheets

ITEM	ESTIMATE SECTION & FINANCE CODE													
	D16 D17	D17 D18	D18 D19	D19 D20.1	D20.1 D20.2	D20.2 D21.1	D21.1 D21.2	D21.2 D22.1	D22.1 D22.2	D22.2 D23	D23 D24	D24 D25.0.1	D25.0.1 D25.0.2	D25.0.2 D26.1
	23	20	23	23	23	23	23	23	23	23	23	23	23	23
Section Length, miles (0.1)	6.5	6.5	10.5	9.0	1.9	3.4	5.1	3.0	3.7	1.3	1.0	3.5	4.0	2.1
Class: Rural or Urban (R or U)	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Urban Area identification (name and code)														
Location: Existing, new or toll (E, N or T)	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
No. Lanes to be constructed this estimate	0	0	0	4	4	4	4	4	4	2	2	2	2	2
No. Lanes to be improved this estimate	0	0	0	0	0	0	0	0	0	0	0	0	0	0
No. through traffic lanes	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Status of improvement October 31, 1969	1a(1)f	1a(1)f	1a(1)f	4a(3)	4a(3)	4a(1)	4a(1)	4a(1)	4a(1)	2a(2)f	2a(2)f	2a(2)f	1a(1)f	2a(2)f
WORK CLASSIFICATION														
1. Preliminary Engineering	3	0	1	17	3	6	9				3	12		4
2. Right-of-Way														
a. Right-of-Way and acquisition				402	94					10	13	14		2
b. Relocation payments				18										
3. Clear & grub; demolition														
4. Utility adjustments				41	12					5	3			2
5. Grade & drain; minor structures				2227	294	575	1497	434	651	94	37	262		102
6. Subbase; base; surfacing; shoulders				1181	220	408	592	348	599	75	58	236		122
7. R.R. grade separations														
8. Highway grade separations without ramps				377		82								
9. Interchanges									604		92			
10. Other bridges; tunnels				154	77					525				
11. Walls														
12. Traffic control and safety improvements														
a. Guardrail; fencing; lighting; traffic control devices				182	38	75	94	54	50	13	12	62		31
b. Motorist service signs														
c. Safety improvements on completed sections	60		15							11	8	31	120	4
13. Roadside improvement														
a. Erosion Control				68	14	26	38	23	46	6	23	16		10
b. Landscaping														
c. Rest Areas						104	104							
d. Scenic overlooks														
14. All other items				50			50				25	25		
15. Subtotal, lines 3 to 14	60		15	4280	655	1270	2375	859	1950	729	258	632	120	271
16. Construction Engineering & Contingencies, 10% of Line 15	6		2	428	66	127	238	86	195	73	26	63	12	27
17. Total Cost of Construction, Lines 15 & 16	66		17	4708	721	1397	2613	945	2145	802	284	695	132	298
18. Total Estimate Cost, line 1, 2 & 17	69		18	5145	818	1403	2622	945	2145	812	300	721	132	304

TABLE C - COST ESTIMATE BY ESTIMATE SECTIONS WITH ROUTE TOTALS

STATE MONTANAINTERSTATE ROUTE NO. 94
Sheet 2 of 5 Sheets

ITEM	ESTIMATE SECTION & FINANCE CODE													
	D26.1 D26.2	D26.2 D27	D27 E1	E1 E2.1	E2.1 E2.2	E2.2 E3	E3 E4	E4 E4.1	E4.1 E5	E5 E6	E6 E6.1	E6.1 E7	E7 E8	E8 E9.0.1
	23	23	23	23	23	23	23	23	21	21	21	21	23	23
Section Length, miles (0.1)	5.6	4.1	5.8	7.2	1.6	5.4	2.9	2.7	4.4	4.5	7.5	0.7	4.9	8.6
Class: Rural or Urban (R or U)	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Urban Area identification (name and code)														
Location: Existing, new or toll (E, N or T)	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
No. Lanes to be constructed this estimate	2	2	2	2	2	2	4	4	0	0	0	0	2	2
No. Lanes to be improved this estimate	0	0	0	0	0	0	0	0	0	0	0	0	0	0
No. through traffic lanes	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Status of improvement October 31, 1969	2a(2)f	2a(2)f	2a(2)f	2a(2)f	2a(2)f	2a(2)f	3a(3)	3a(3)	3a(2)	3a(2)	3a(3)	3a(3)	2a(2)f	2a(2)f
WORK CLASSIFICATION														
1. Preliminary Engineering	11	8	12											
2. Right-of-Way														
a. Right-of-Way and acquisition	10	2	3	5	2	5	675	36					10	15
b. Relocation payments							100							
3. Clear & grub; demolition														
4. Utility adjustments	8	2	2	2		3	80	20					9	9
5. Grade & drain; minor structures	438	414	293	555	84	520	789	438					424	730
6. Subbase; base; surfacing; shoulders	332	257	336	418	93	313	452	531					287	594
7. R.R. grade separations						210	118							
8. Highway grade separations without ramps			120					103					37	
9. Interchanges	110	97				69	690						149	102
10. Other bridges; tunnels		99		103		129							47	
11. Walls														
12. Traffic control and safety improvements														
a. Guardrail; fencing; lighting; traffic control devices	79	48	37	29	7	22	93	45					45	45
b. Motorist service signs														
c. Safety improvements on completed sections	39	15	3	42	12	58							11	53
13. Roadside improvement														
a. Erosion Control	25	37	45	33	7	43	40	20					22	57
b. Landscaping														
c. Rest Areas														
d. Scenic overlooks														
14. All other items		25	50	25	25								50	25
15. Subtotal, lines 3 to 14	1231	994	886	1207	228	1367	2262	1157					1081	1615
16. Construction Engineering & Contingencies, 10% of Line 15	123	99	89	121	23	137	226	116					108	162
17. Total Cost of Construction, Lines 15 & 16	1354	1093	975	1328	251	1504	2488	1273					1189	1777
18. Total Estimate Cost, line 1, 2 & 17	1375	1103	990	1333	253	1509	3263	1309					1199	1792

TABLE C - COST ESTIMATE BY ESTIMATE SECTIONS WITH ROUTE TOTALS

STATE MONTANAINTERSTATE ROUTE NO. 94
Sheet 3 of 5 Sheets

ITEM	ESTIMATE SECTION & FINANCE CODE													
	E9.0.1 E9.0.2	E9.0.2 E9.0.3	E9.0.3 E10	E10 E11	E11 E12	E12 E13	E13 E14	E14 E14.1	E14.1 E15.1	E15.1 F1	F1 F2	F2 F3	F3 F4	F4 F5
	23	23	23	23	23	23	23	22	22	23	23	23	23	21
Section Length, miles (0.1)	6.3	0.8	1.4	1.2	3.0	4.9	2.5	0.7	5.1	8.9	6.3	4.1	4.0	2.2
Class: Rural or Urban (R or U)	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Urban Area identification (name and code)														
Location: Existing, new or toll (E, N or T)	N	N	N	N	N	N	N	E	E	N	N	N	N	N
Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
No. Lanes to be constructed this estimate	2	0	2	2	2	2	2	2	4	4	4	4	4	0
No. Lanes to be improved this estimate	0	0	0	0	0	0	0	0	0	0	0	0	0	0
No. through traffic lanes	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Status of improvement October 31, 1969	2a(2)f	1a(1)f	2a(2)f	2a(2)f	2a(2)f	2a(2)f	2a(2)f	2a(2)f	4a(3)	4a(1)	4a(1)	3a(3)	3a(3)	3a(2)
WORK CLASSIFICATION														
1. Preliminary Engineering								1	7	12				
2. Right-of-Way														
a. Right-of-Way and acquisition	5		2	1	5	6	5	25	28					
b. Relocation payments														
3. Clear & grub; demolition														
4. Utility adjustments	5		2	2	6	6	5	5	10					
5. Grade & drain; minor structures	895		86	189	316	348	225	145	919	1600	1015			
6. Subbase; base; surfacing; shoulders	491		81	70	174	289	145	55	424	1388	991	476	464	
7. R.R. grade separations														
8. Highway grade separations without ramps	66		38	69	124	111				171	178			
9. Interchanges		21		178	135			174		273			24	
10. Other bridges; tunnels			262							275				
11. Walls														
12. Traffic control and safety improvements														
a. Guardrail; fencing; lighting; traffic control devices	26	3	11	16	39	21	16	14	103	160	82	6	6	
b. Motorist service signs														
c. Safety improvements on completed sections	54	10	5	23	35	26	20							
13. Roadside improvement														
a. Erosion Control	47	18	6	5	32	41	11	22	38	67	48			
b. Landscaping														
c. Rest Areas									175					
d. Scenic overlooks														
14. All other items	50		25	64	25	74	25		50	50				
15. Subtotal, lines 3 to 14	1634	52	516	616	886	916	447	415	1719	3984	2314	482	494	
16. Construction Engineering & Contingencies, 10% of Line 15	163	5	52	62	89	92	45	42	172	398	231	48	49	
17. Total Cost of Construction, Lines 15 & 16	1797	57	568	678	975	1008	492	457	1891	4382	2545	530	543	
18. Total Estimate Cost, line 1, 2 & 17	1802	57	570	679	980	1014	497	483	1926	4394	2545	530	543	

TABLE C - COST ESTIMATE BY ESTIMATE SECTIONS WITH ROUTE TOTALS

STATE MONTANAINTERSTATE ROUTE NO. 94
Sheet 4 of 5 Sheets

ITEM	ESTIMATE SECTION & FINANCE CODE													
	F5 F6	F6 F7	F7 F8	F8 F9	F9 F10	F10 F11	F11 F12	F12 F13.1	F13.1 F13.2	F13.2 F13.3	F13.3 F14	F14 F14.1	F14.1 F15	F15 F15.1
	21	23	23	22	22	22	22	23	23	21	21	21	21	23
Section Length, miles (0.1)	4.3	2.5	0.2	4.0	5.9	5.5	7.3	1.5	2.1	1.0	0.3	0.1	0.2	1.0
Class: Rural or Urban (R or U)	R	R	R	R	R	R	R	R	U	R	R	U	U	U
Urban Area identification (name and code)									360#			360	360	360#
Location: Existing, new or toll (E, N or T)	N	N	N	E	E	E	E	N	N	N	N	N	N	E
Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
No. Lanes to be constructed this estimate	0	4	4	4	4	4	4	0	0	0	0	0	0	0
No. Lanes to be improved this estimate	0	0	0	0	0	0	0	0	0	0	0	0	0	0
No. through traffic lanes	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Status of improvement October 31, 1969	3a(2)	4a(3)	4a(3)	4a(3)	4a(3)	4a(3)	4a(3)	3a(2)	3a(2)	3a(2)	3a(2)	3a(2)	3a(2)	3a(2)
WORK CLASSIFICATION														
1. Preliminary Engineering					3	3	4	1	1					1
2. Right-of-Way														
a. Right-of-Way and acquisition		86	4	20	34	57	117							
b. Relocation payments		8												
3. Clear & grub; demolition														
4. Utility adjustments		4	1	10	30	10	15							
5. Grade & drain; minor structures		580		722	771	754	943							
6. Subbase; base; surfacing; shoulders		297		630	933	886	1178							
7. R.R. grade separations		201												
8. Highway grade separations without ramps				118	73		218							
9. Interchanges		267			322	278	311	21	21					21
10. Other bridges; tunnels			2602											
11. Walls														
12. Traffic control and safety improvements														
a. Guardrail; fencing; lighting; traffic control devices		37	1	44	81	53	79							
b. Motorist service signs														
c. Safety improvements on completed sections														
13. Roadside improvement														
a. Erosion Control		37		49	63	41	73							
b. Landscaping														
c. Rest Areas				175										
d. Scenic overlooks														
14. All other items					99									
15. Subtotal, lines 3 to 14		1423	2604	1748	2372	2022	2817	21	21					21
16. Construction Engineering & Contingencies, 10% of Line 15		142	260	175	237	202	282	2	2					2
17. Total Cost of Construction, Lines 15 & 16		1565	2864	1923	2609	2224	3099	23	23					23
18. Total Estimate Cost, line 1, 2 & 17		1659	2868	1943	2646	2284	3220	24	24					24

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TABLE C - COST ESTIMATE BY ESTIMATE SECTIONS WITH ROUTE TOTALS

STATE MONTANAINTERSTATE ROUTE NO. 94
Sheet 5 of 5 Sheets

ITEM	ESTIMATE SECTION & FINANCE CODE								SUBTOTAL		TOTAL FOR ROUTE
	F15.1 F16	F16 F17.1	F17.1 F17.2	F17.2 F18	F18 F19	F19 F20	F20 F21		RURAL	URBAN	
	21	22	23	23	22	22	22				
Section Length, miles (0.1)	1.7	1.4	2.7	12.8	4.7	4.7	5.9		245.2	3.4	248.6
Class: Rural or Urban (R or U)	R	R	R	R	R	R	R				
Urban Area identification (name and code)											
Location: Existing, new or toll (E, N or T)	E	E	N	N	E	E	E				
Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1				
No. Lanes to be constructed this estimate	0	2	2	2	2	2	2				
No. Lanes to be improved this estimate	0	0	0	0	0	0	0				
No. through traffic lanes	4	4	4	4	4	4	4				
Status of improvement October 31, 1969	3a(2)	2a(2)f	2a(2)f	2a(2)f	2a(2)f	2a(2)f	2a(2)f				
WORK CLASSIFICATION											
1. Preliminary Engineering									120	2	122
2. Right-of-Way											
a. Right-of-Way and acquisition		6	10	34	14	12	20		1789		1789
b. Relocation payments									126		126
3. Clear & grub; demolition											
4. Utility adjustments		5	5	20	10	10	15		374		374
5. Grade & drain; minor structures		247	211	1240	296	312	409		23081		23081
6. Subbase; base; surfacing; shoulders		130	211	1065	381	367	460		19038		19038
7. R.R. grade separations									529		529
8. Highway grade separations without ramps		89		89					2063		2063
9. Interchanges				470	317	160	285		5349	42	5391
10. Other bridges; tunnels			108			164			4545		4545
11. Walls											
12. Traffic control and safety improvements											
a. Guardrail; fencing; lighting; traffic control devices		52	16	138	43	41	32		2181		2181
b. Motorist service signs											
c. Safety improvements on completed sections		7	12	31	9	8	7		729		729
13. Roadside improvement											
a. Erosion Control		6	12	76	58	21	27		1397		1397
b. Landscaping											
c. Rest Areas				104					662		662
d. Scenic overlooks											
14. All other items									812		812
15. Subtotal, lines 3 to 14		536	575	3233	1114	1083	1235		60760	42	60802
16. Construction Engineering & Contingencies, 10% of Line 15		54	58	323	111	108	124		6079	4	6083
17. Total Cost of Construction, Lines 15 & 16		590	633	3556	1225	1191	1359		66839	46	66885
18. Total Estimate Cost, line 1, 2 & 17		596	643	3590	1239	1203	1379		68874	48	68922

Signature: Jens Hoff State Highway Engineer March 1, 1970
 State: MT Name Title Date
H. M. Stewart Division Engineer March 1, 1970
 BPR: Name Title Date

INTERSTATE ROUTE NO. 94
Sheet 1 of 5 Sheets

ITEM	ESTIMATE SECTION & FINANCE CODE																									
	D16 D17	D17 D18	D18 D19	D19 D20.1	D20.1 D20.2	D20.2 D21.1	D21.1 D21.2	D21.2 D22.1	D22.1 D22.2	D22.2 D23	D23 D24	D24 D25.0.1	D25.0.1 D25.0.2	D25.0.2 D26.1												
	23	20	23	23	23	23	23	23	23	23	23	23	23	23												
Section length, miles (0.1)	6.5	6.5	10.5	9.0	1.9	3.4	5.1	3.0	3.7	1.3	1.0	3.5	4.0	2.1												
Class: Rural or Urban (R or U)	R	R	R	R	R	R	R	R	R	R	R	R	R	R												
Urban Area identification (name and code)																										
Location: Existing, new or toll (E, N or T)	N	N	N	N	N	N	N	N	N	N	N	N	N	N												
Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1												
No. Lanes to be constructed this estimate	0	0	0	4	4	4	4	4	4	2	2	2	0	2												
No. Lanes to be improved this estimate	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
No. through traffic lanes	4	4	4	4	4	4	4	4	4	4	4	4	4	4												
Status of improvement, October 31, 1969 (PR-511)	1a(1)f	1a(1)f	1a(1) f	4a(3)	4a(3)	4a(1)	4a(1)	4a(1)	4a(1)	2a(2)f	2a(2)f	2a(2)f	1a(1)f	2a(2)f												
	ESTIMATED COSTS (\$1,000) AND NUMBER OF UNITS AND STRUCTURES																									
Item No. From Table C	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str
7. R.R. grade separation - Cost																										
a. No. to be constructed																										
Cost																										
b. No. in service or authorized - to be improved																										
Cost																										
c. No. in service - cost = zero				1	2																					
d. No. in authorized status - cost = zero																										
8. Highway grade separations without ramps - Cost																										
a. No. to be constructed					4	8		1	2																	
Cost					377			82																		
b. No. in service or authorized - to be improved																										
Cost																										
c. No. in service - cost = zero	1	2	1	2	3	5																				
d. No. in authorized status - cost = zero																										
9. Interchanges - Cost																										
a. No. to be constructed															2	3										
Cost															238											
b. No. in service or authorized - to be improved	1	2			2	3												1	1							
Cost																		31								
c. No. in service - cost = zero																										
d. No. in authorized status - cost = zero																										
10. Other bridges and tunnels - Cost																										

INTERSTATE ROUTE NO. 94
Sheet 2 of 5 Sheets

INTERSTATE ROUTE NO. 94
Sheet 2 of 5 Sheets

ITEM	ESTIMATE SECTION & FINANCE CODE																											
	D26.1	D26.2	D26.2	D27	E1	E2.1	E2.2	E2.2	E3	E3	E4	E4.1	E4.1	E4.1	E5	E6	E6.1	E6.1	E7	E8	E8	E9.0.1						
	D26.2	D27	E1	E2.1	E2.2	E3	E4	E4.1	E5	E6	E6.1	E7	E8	E9.0.1														
	23	23	23	23	23	23	23	23	23	23	23	23	23	23	21	21	21	21	23	23	23	23						
Section length, miles (0.1)	5.6	4.1	5.8	7.2	1.6	5.4	2.9	2.7	4.4	4.5	7.5	0.7	4.9	8.6														
Class: Rural or Urban (R or U)	R	R	R	R	R	R	R	R	R	R	R	R	R	R														
Urban Area identification (name and code)																												
Location: Existing, new or toll (E, N or T)	N	N	N	N	N	N	N	N	N	N	N	N	N	N														
Mileage increment: Code 1, 2, 3 or 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1														
No. Lanes to be constructed this estimate	2	2	2	2	2	2	4	4	0	0	0	0	2	2														
No. Lanes to be improved this estimate	0	0	0	0	0	0	0	0	0	0	0	0	0	0														
No. through traffic lanes	4	4	4	4	4	4	4	4	4	4	4	4	4	4														
Status of improvement, October 31, 1969 (PR-511)	2a(2)f	2a(2)f	2a(2)f	2a(2)f	2a(2)f	2a(2)f	3a(3)	3a(3)	3a(2)	3a(2)	3a(3)	3a(3)	2a(2)f	2a(2)f														
	ESTIMATED COSTS (\$1,000) AND NUMBER OF UNITS AND STRUCTURES																											
Item No. From Table C	WORK CLASSIFICATION																											
	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str
7. R.R. grade separation - Cost																												
a. No. to be constructed													1	1														
Cost														118														
b. No. in service or authorized - to be improved												1	2															
Cost													210															
c. No. in service - cost = zero																												
d. No. in authorized status - cost = zero																												
8. Highway grade separations without ramps - Cost																												
a. No. to be constructed															1	1									1	2		
Cost																103										37		
b. No. in service or authorized - to be improved					1	1																						
Cost						120																						
c. No. in service - cost = zero																												
d. No. in authorized status - cost = zero																	1	1			1	2			1	2		
9. Interchanges - Cost																												
a. No. to be constructed													2	3												1	1	
Cost														262													82	
b. No. in service or authorized - to be improved	1	2	1	1																							1	2
Cost		69		37																								35
c. No. in service - cost = zero												1	1															
d. No. in authorized status - cost = zero																		2	3									
10. Other bridges and tunnels - Cost																												
a. No. to be constructed																												
Cost																												
b. No. in service or authorized - to be improved			1	2			1	2				1	2													1	2	
Cost				99				103					129														47	
c. No. in service - cost = zero																												
d. No. in authorized status - cost = zero																			1	2	1	2						
	ESTIMATED COSTS (\$1,000) AND NUMBER OF REST AREAS																											
13c. Rest Areas - Cost																												
a. No. to be constructed																												
Cost																												
b. No. in service or authorized - to be improved																												
Cost																												
c. No. in service - cost = zero																												
d. No. in authorized status - cost = zero																												

INTERSTATE ROUTE NO. 94
Sheet 3 of 5 Sheets

INTERSTATE ROUTE NO. 94
Sheet 3 of 5 Sheets

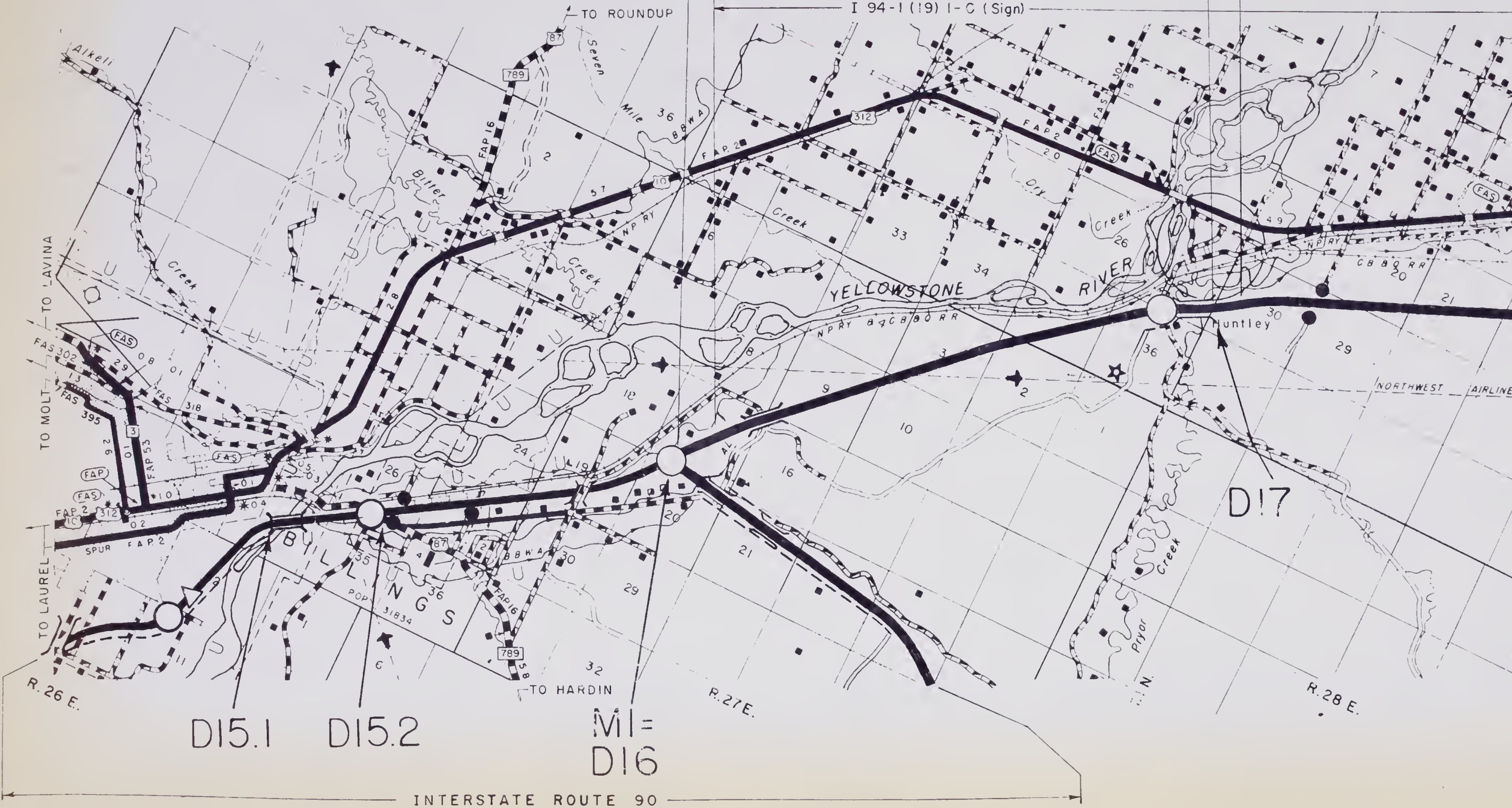
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INTERSTATE ROUTE NO. 94
Sheet 4 of 5 Sheets

[illegible]

Signature:	<i>David M. Sutton</i>	State Highway Engineer	March 1, 1970		<i>W. Stewart</i>	Division Engineer	March 1, 1970
State:	Name	Title	Date	BPR:	Name	Title	Date

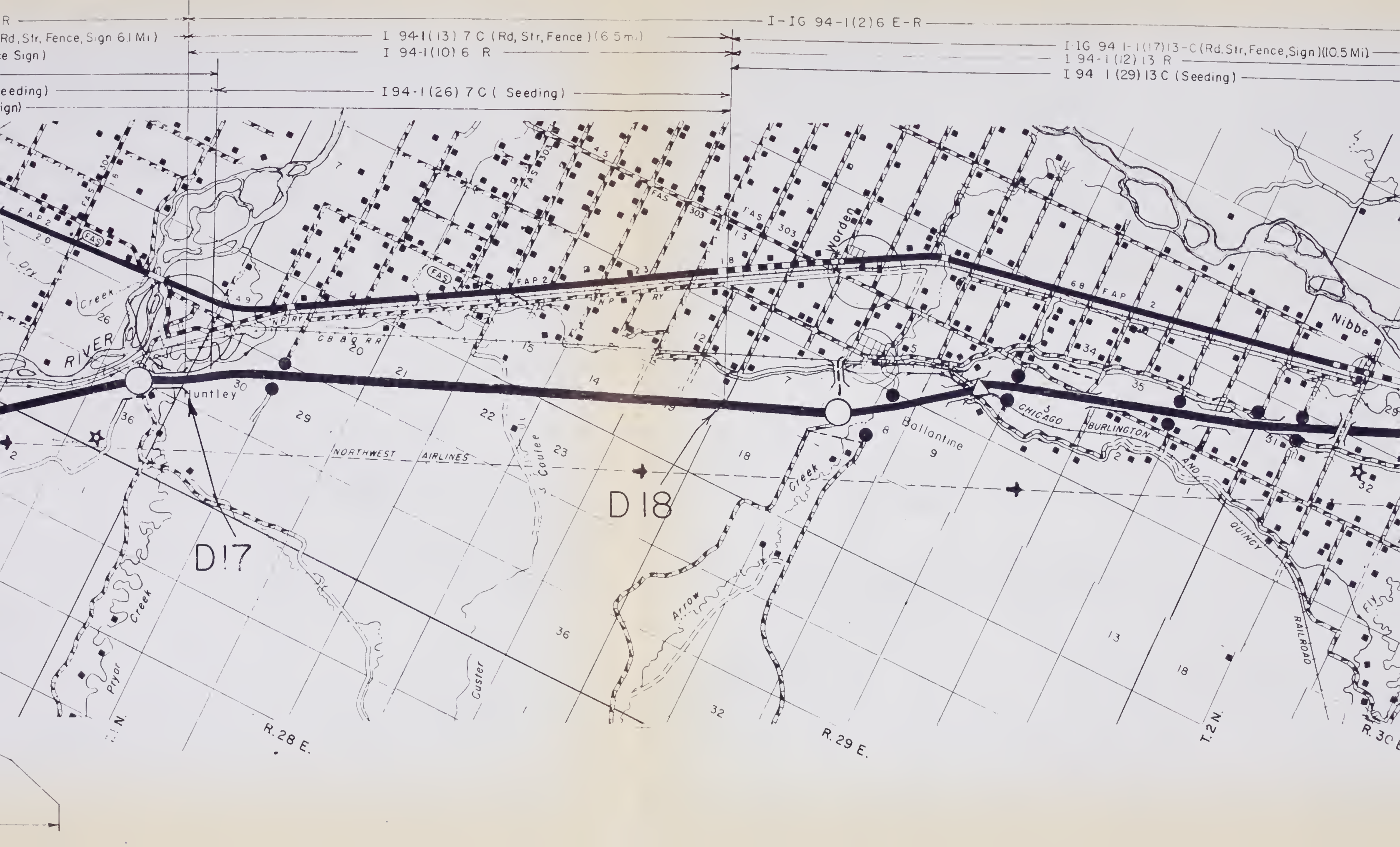
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 I 94-I(14)O-C (0.7 mi) (Rd Str Fence Sign)
 I 94-I (20) O-E
 I 94-I(24) O C (Seeding)
 I 94-I (19) I-C (Sign)
 I 94-I(13) 7
 I 94-I(10) 6
 I 94-I(26) 7



D15.1 D15.2

M1=
D16

INTERSTATE ROUTE 90





I-94-1 (9) 25-E

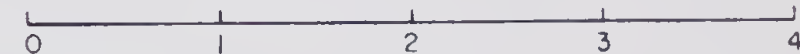
I-94-1 (21) 35-R



LEGEND FOR INTERSTATE ROUTES

- INTERSTATE LOCATION STEP 4-5
- INTERSTATE LOCATION STEP 1-2-3
- INTERCHANGE
- HIGHWAY GRADE SEPARATION - NO CONNECTION
- RAILROAD GRADE SEPARATION
- COMBINATION HIGHWAY-RAILROAD GRADE SEPARATION
- OTHER BRIDGE
- TUNNEL
- TOLL BRIDGE, TUNNEL, HIGHWAY OR COMBINATION
- FRONTAGE ROAD
- TERMINATED CROSS-ROAD
- INTERSECTION AT-GRADE
- URBAN AREA BOUNDARY
- POST MILEAGE
- ROUTE SECTIONS

SCALE IN MILES

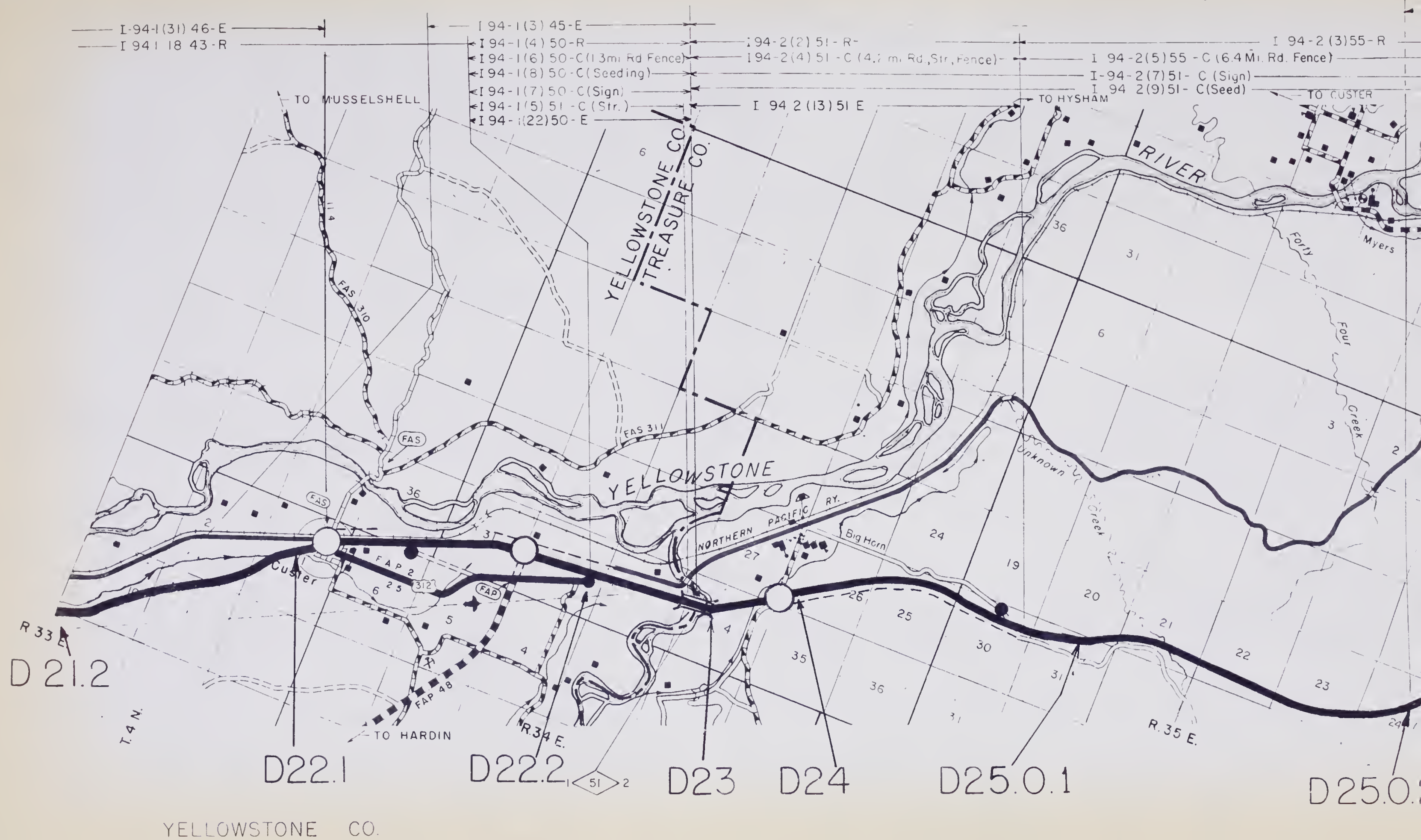


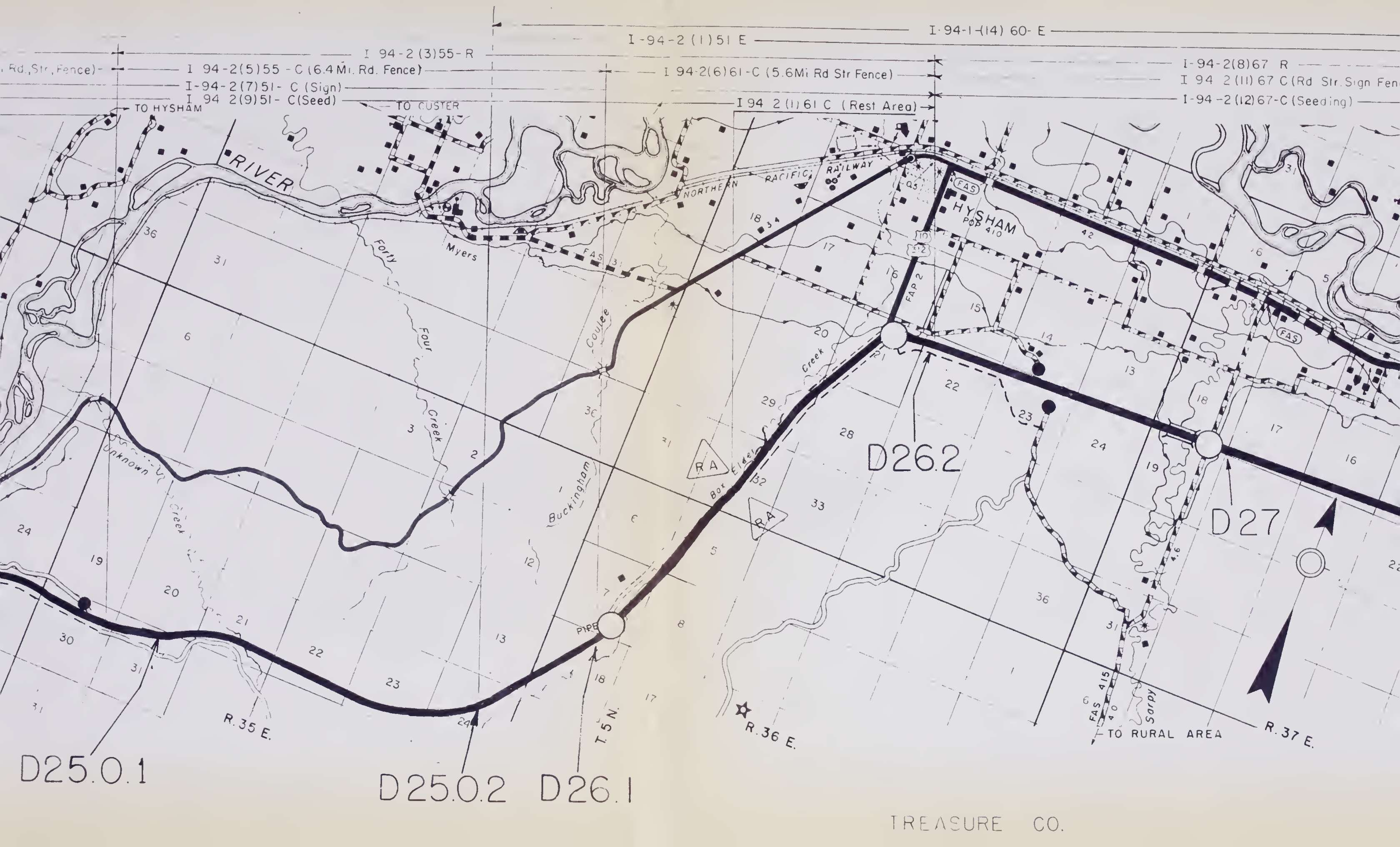
MONTANA

INTERSTATE ROUTE 94

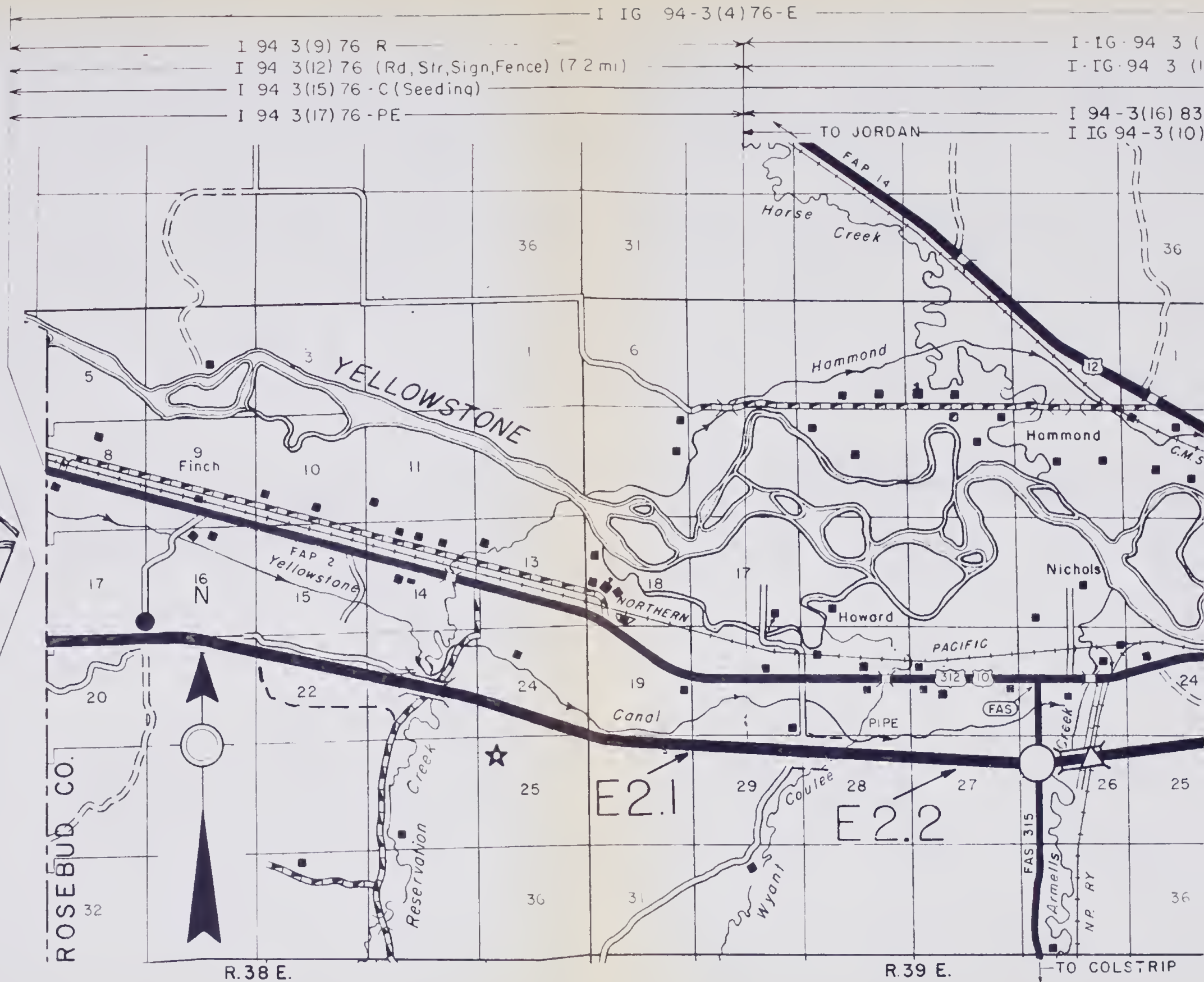
Sheet 1 of 5

Date October 31, 1969





8)67 R
(11)67 C (Rd Str Sign Fence) (99 mi)
(12)67-C (Seeding)



I 94 3(9) 76 R
I 94 3(12) 76 (Rd, Str, Sign, Fence) (7.2 mi)
I 94 3(15) 76 - C (Seeding)
I 94 3(17) 76 - PE

I-IG-94 3 (1)
I-IG-94 3 (10)
I 94-3(16) 83
I IG 94-3(10)

E2.1

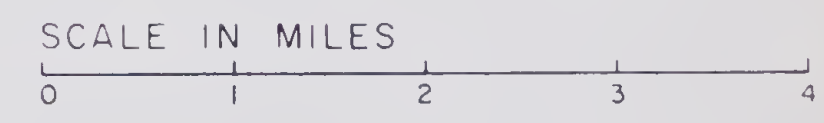
E2.2

ROSEBUD CO.



LEGEND FOR INTERSTATE ROUTES

- INTERSTATE LOCATION STEP 4-5
- INTERSTATE LOCATION STEP 1-2-3
- INTERCHANGE
- HIGHWAY GRADE SEPARATION - NO CONNECTION
- RAILROAD GRADE SEPARATION
- COMBINATION HIGHWAY-RAILROAD GRADE SEPARATION
- OTHER BRIDGE
- TUNNEL
- TOLL BRIDGE, TUNNEL, HIGHWAY OR COMBINATION
- FRONTAGE ROAD
- TERMINATED CROSS ROAD
- INTERSECTION AT-GRADE
- URBAN AREA BOUNDARY
- POST MILEAGE
- ROUTE SECTIONS



MONTANA

INTERSTATE ROUTE 94

Sheet 2 of 5

Date October 31, 1969

I IG 94-3(5)91-E

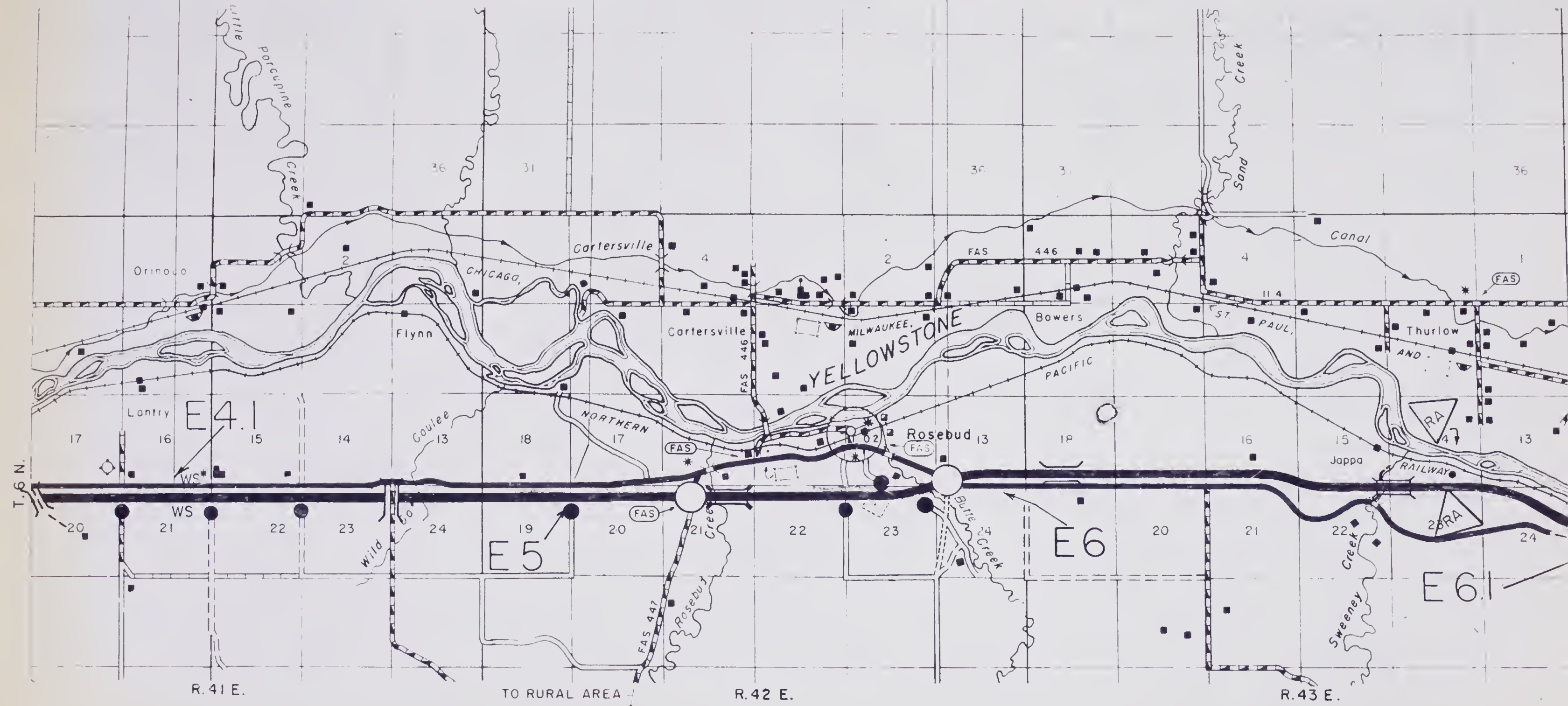
I 94-3(14)95-R

I 94-3(26)95-C (Rd, Sign, Seed, Weigh Sta.)

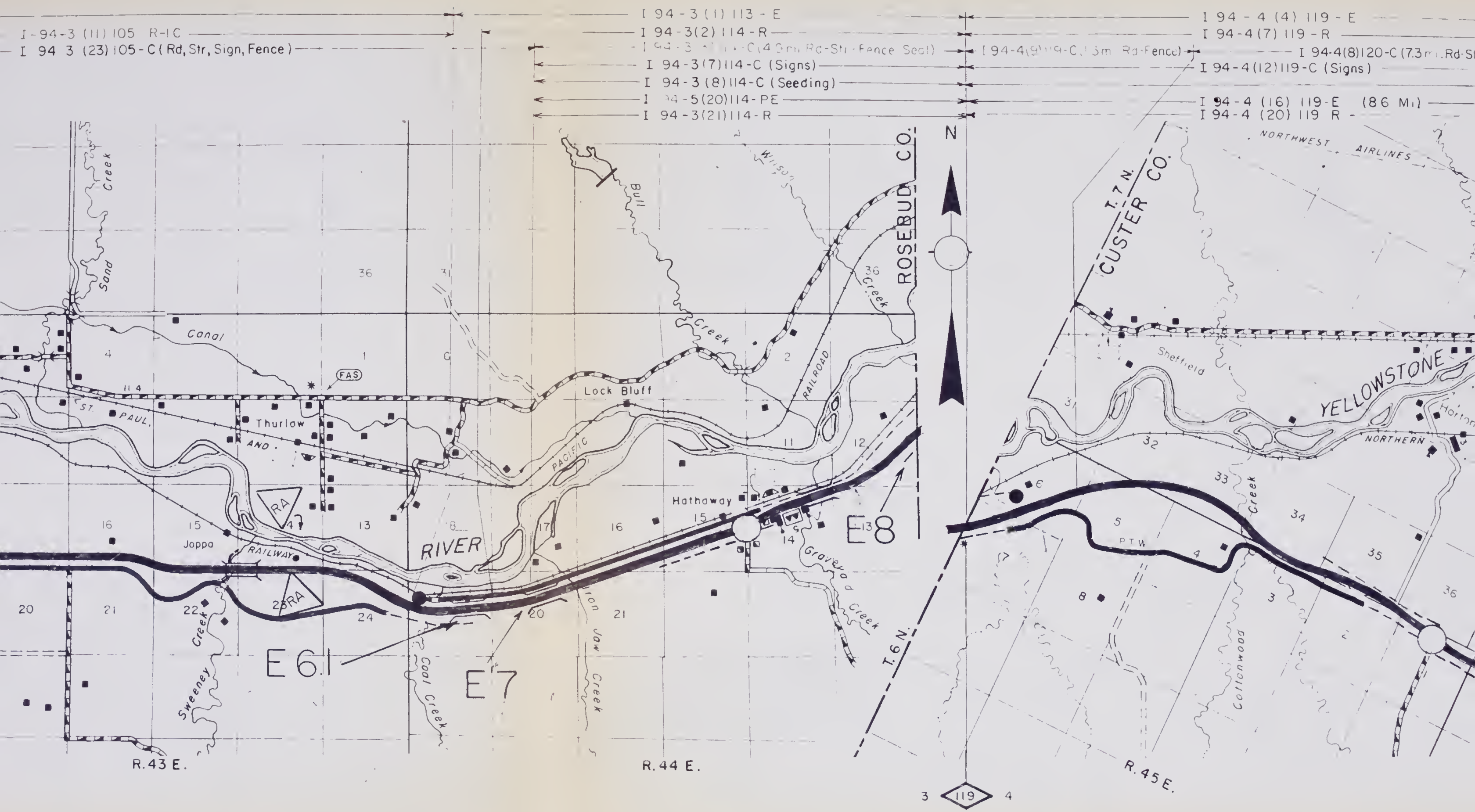
I 94-3(6)101-E

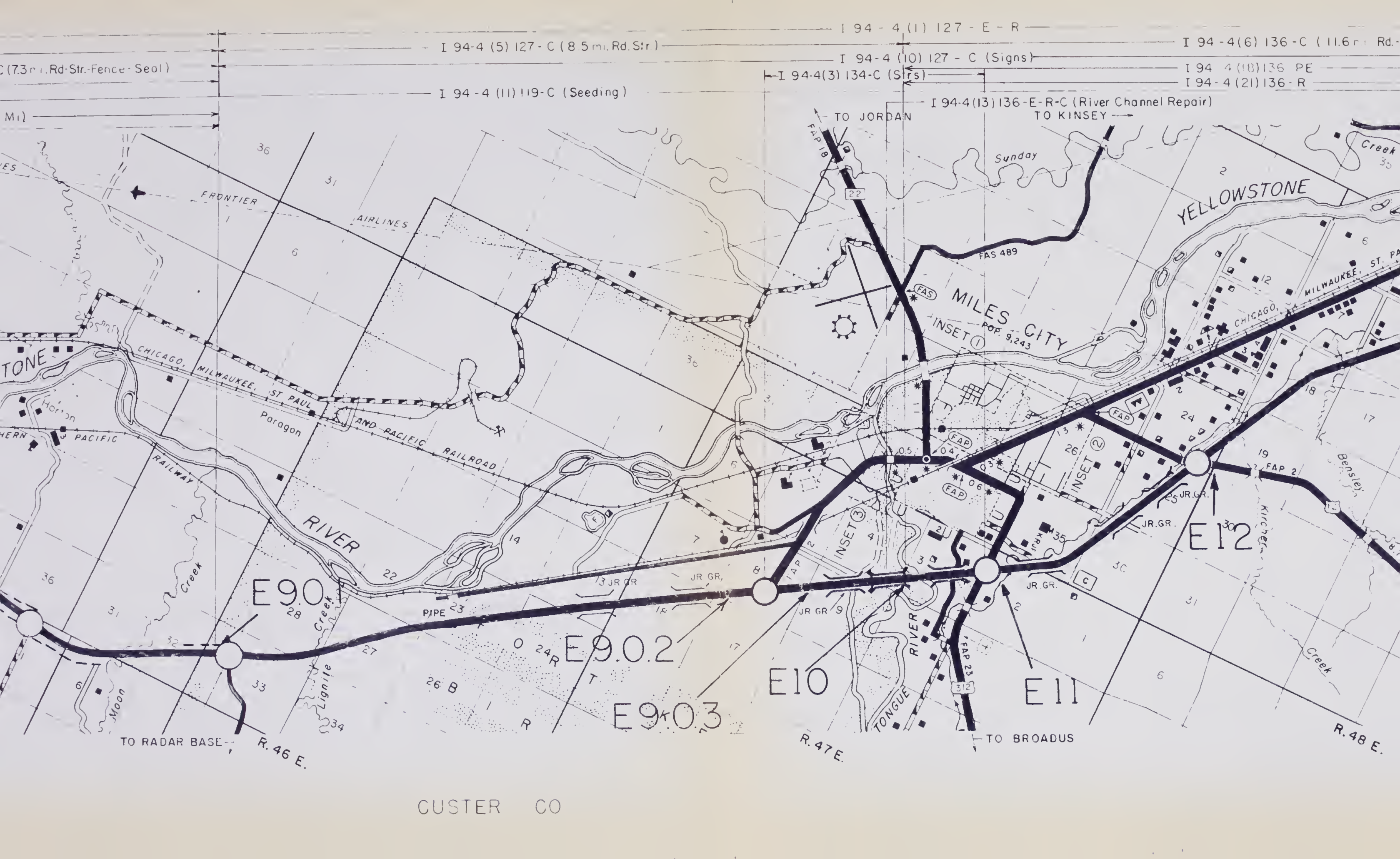
I-94-3(11)105 R-1C

I 94 3 (23) 105 - C (Rd, Str, Sign, Fence)

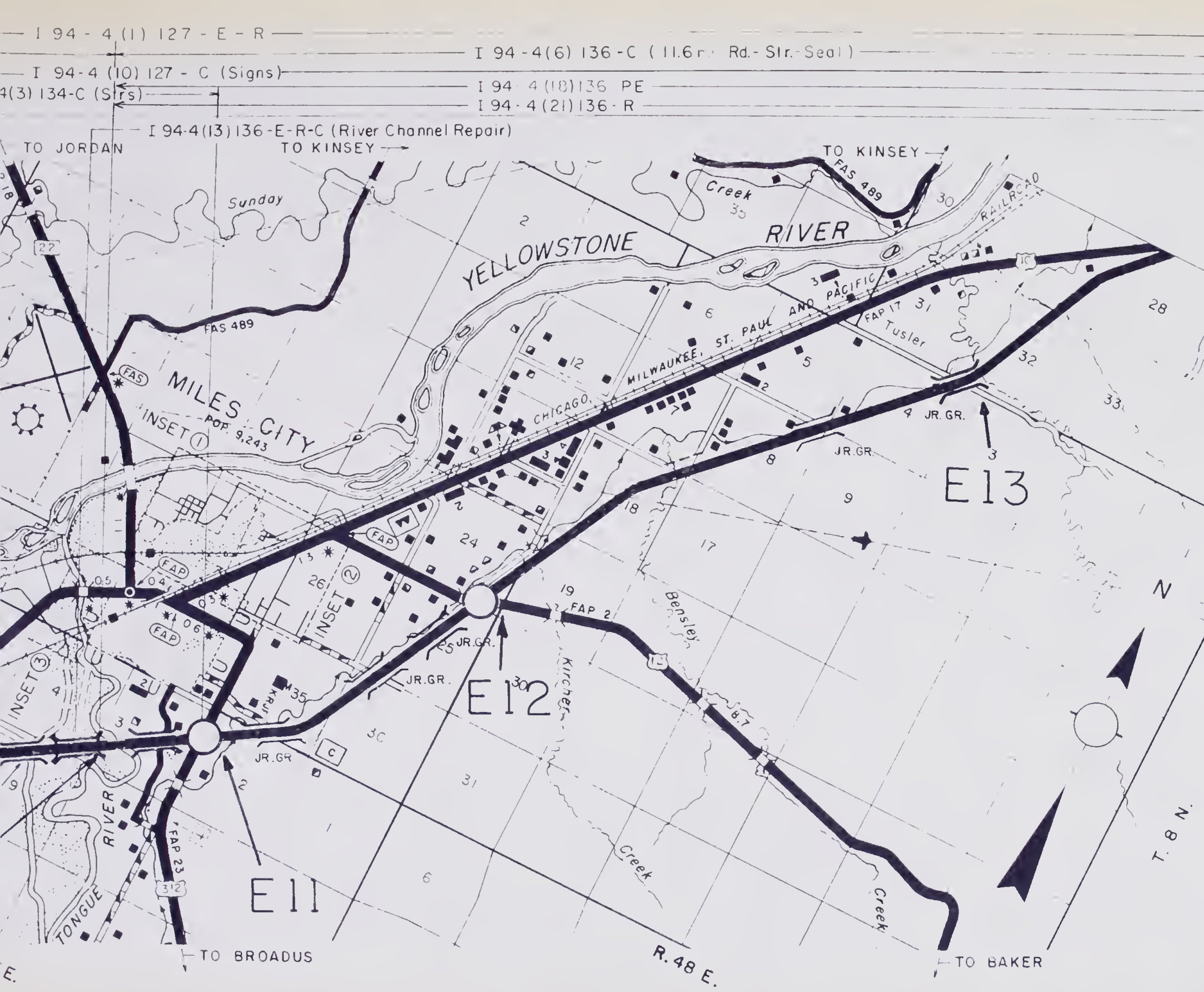


ROSEBUD CO.



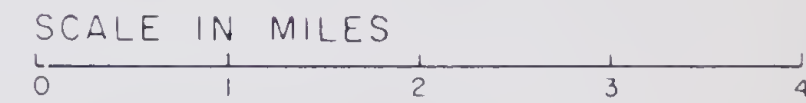


CUSTER CO



LEGEND FOR INTERSTATE ROUTES

- INTERSTATE LOCATION STEP 4-5
- INTERSTATE LOCATION STEP 1-2-3
- INTERCHANGE
- HIGHWAY GRADE SEPARATION - NO CONNECTION
- RAILROAD GRADE SEPARATION
- COMBINATION HIGHWAY-RAILROAD GRADE SEPARATION
- OTHER BRIDGE
- TUNNEL
- TOLL BRIDGE, TUNNEL, HIGHWAY OR COMBINATION
- FRONTAGE ROAD
- TERMINATED CROSS ROAD
- INTERSECTION AT-GRADE
- URBAN AREA BOUNDARY
- POST MILEAGE
- ROUTE SECTIONS



MONTANA

INTERSTATE ROUTE 94

Sheet 3 of 5

Date October 31, 1969

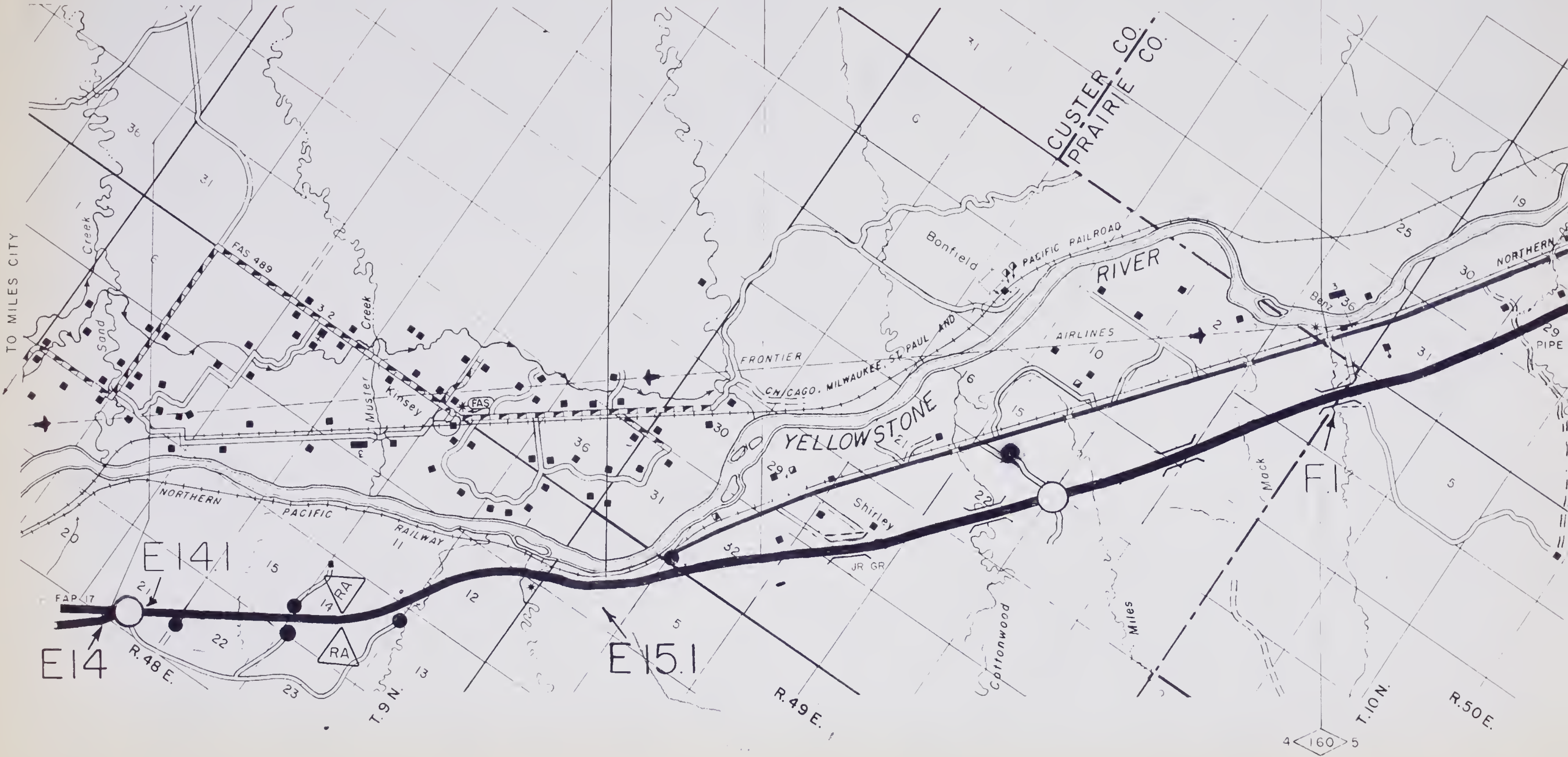
I-94-4(1)127E-R

I 94 4 (14) 148-E

I-94-4 (2) 153 E

I-94-4 (22) 153-R

I 94-5 (6)



TO MILES CITY

CUSTER CO.
PRAIRIE CO.

E14

E14.1

E15.1

FI

CUSTER CO.

I-94-5(1)160-E

I 94-5(6) 160-R-

I 94-5(5)166-R
I 94-5(11) 166-C (Gr, Str, Fen,)

I-IG-94-5



I-IG-94-5(2)171 E

I IG 94 5 (4) 173 R

I IG 94 5 (7) 174 C (Rd - Sign - Fence 65 Mi)

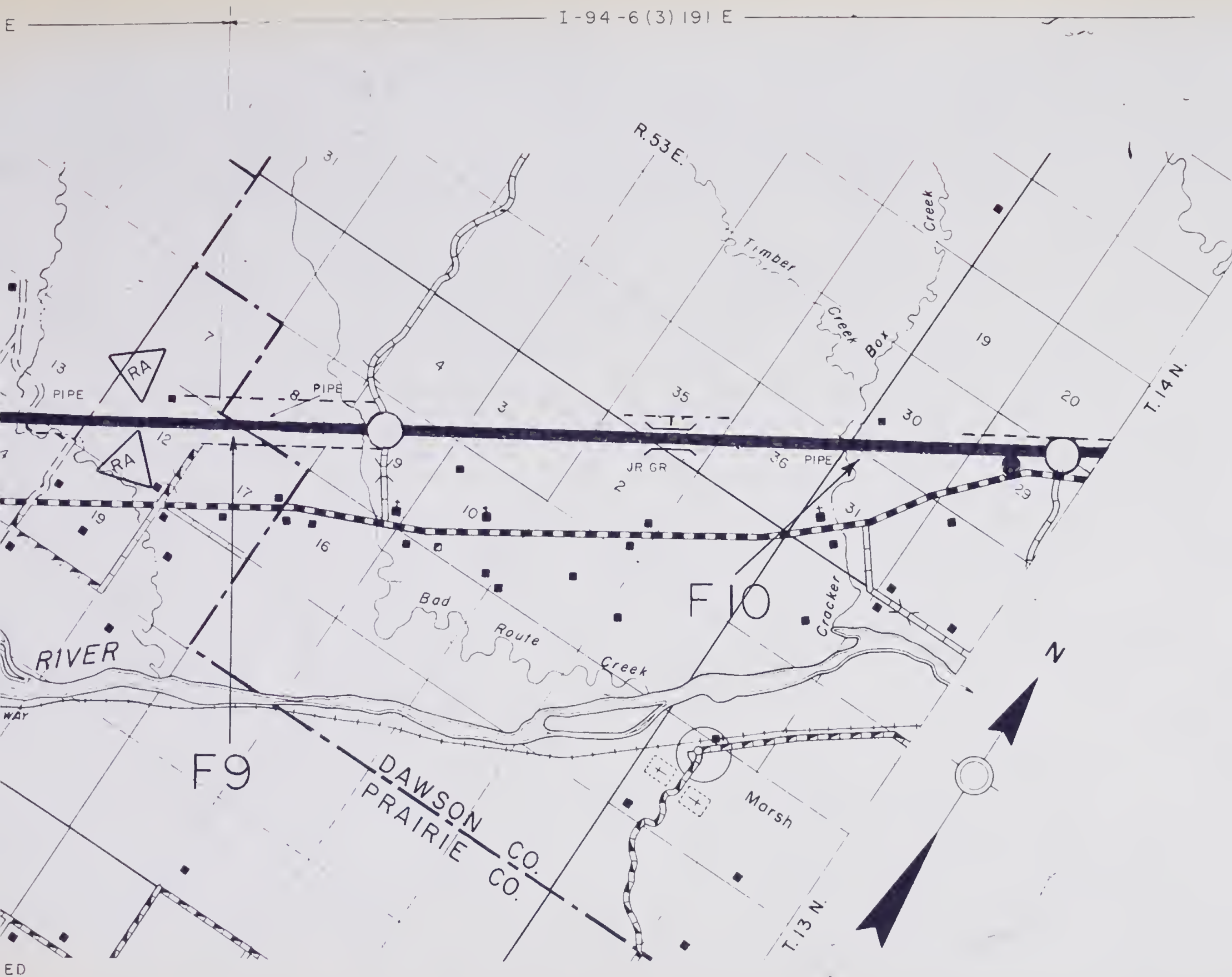
I IG 94 5 (10) 174-C (Pave, Seed, Sign)

I-94-5 (3) 182 E

I-94-6 (3) 191 E

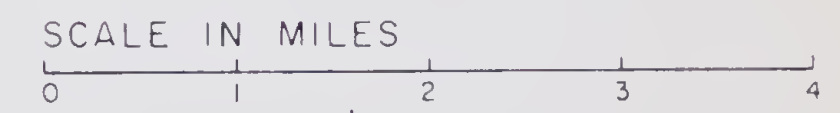


PRAIRIE CO.



LEGEND FOR INTERSTATE ROUTES

- INTERSTATE LOCATION STEP 4 - 5
- INTERSTATE LOCATION STEP 1 - 2 - 3
- INTERCHANGE
- HIGHWAY GRADE SEPARATION - NO CONNECTION
- RAILROAD GRADE SEPARATION
- COMBINATION HIGHWAY - RAILROAD GRADE SEPARATION
- OTHER BRIDGE
- TUNNEL
- TOLL BRIDGE, TUNNEL, HIGHWAY OR COMBINATION
- FRONTAGE ROAD
- TERMINATED CROSS ROAD
- INTERSECTION AT-GRADE
- URBAN AREA BOUNDARY
- POST MILEAGE
- ROUTE SECTIONS

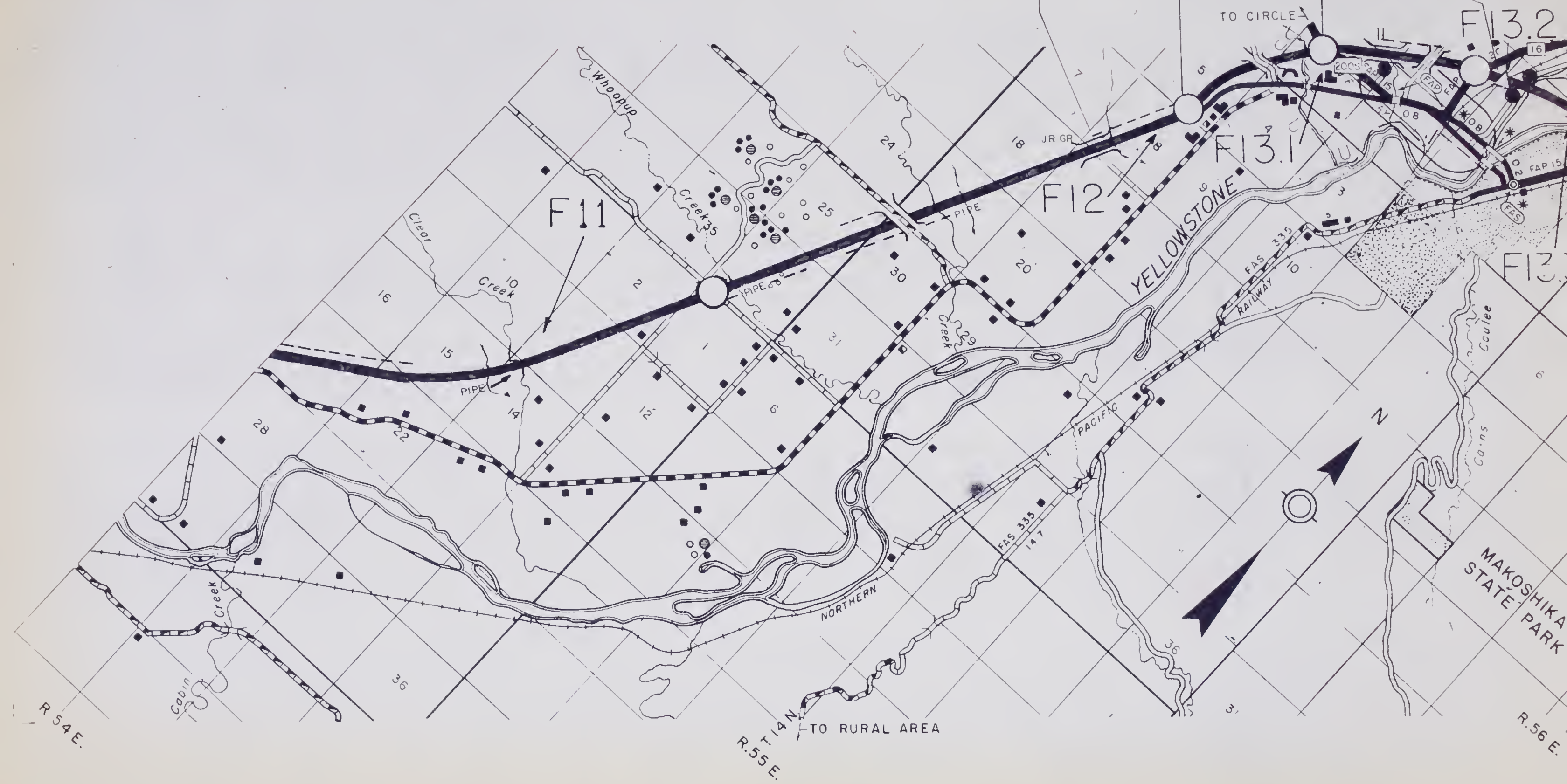


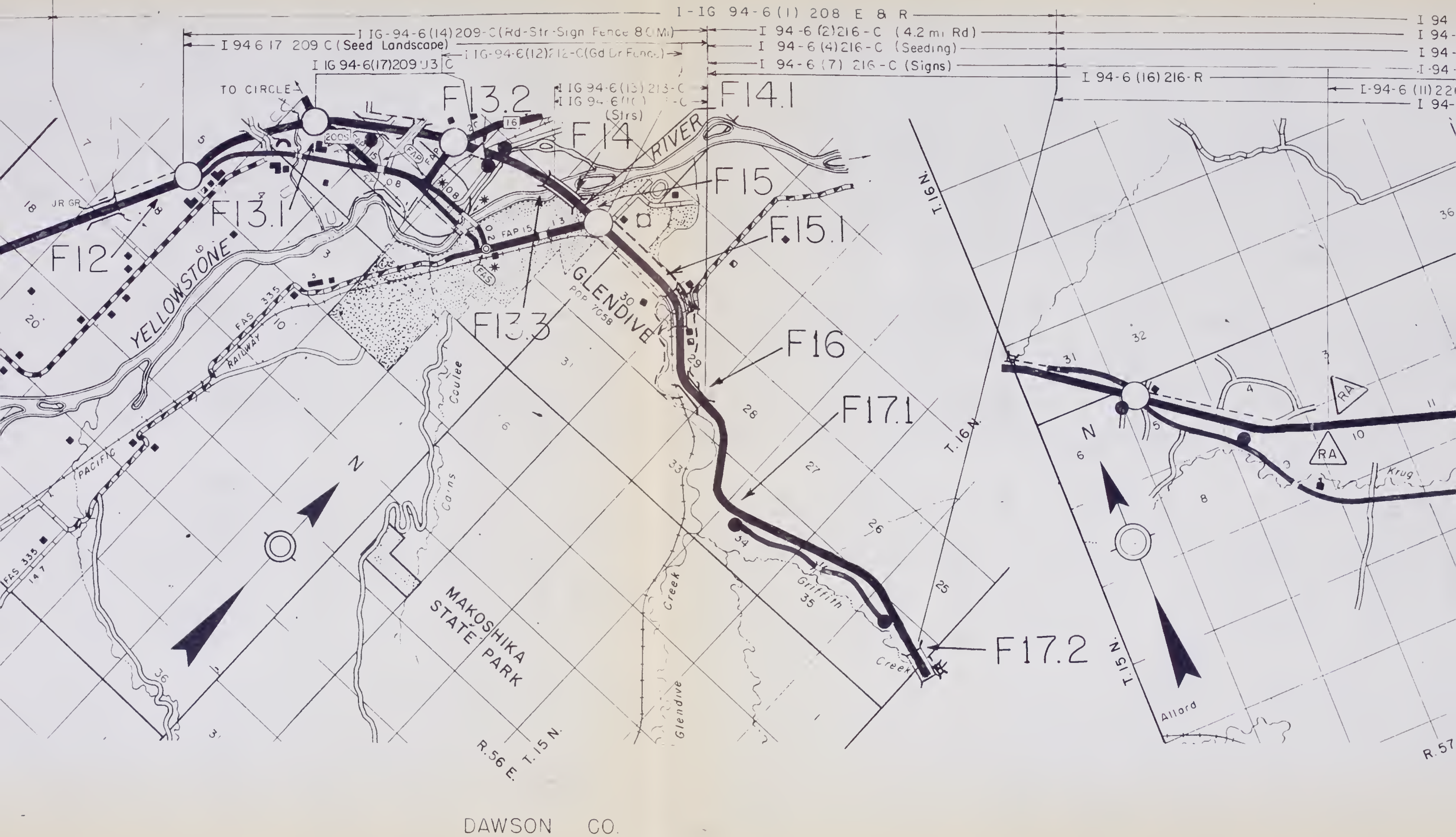
MONTANA

INTERSTATE ROUTE 94

Sheet 4 of 5

Date October 31, 1969



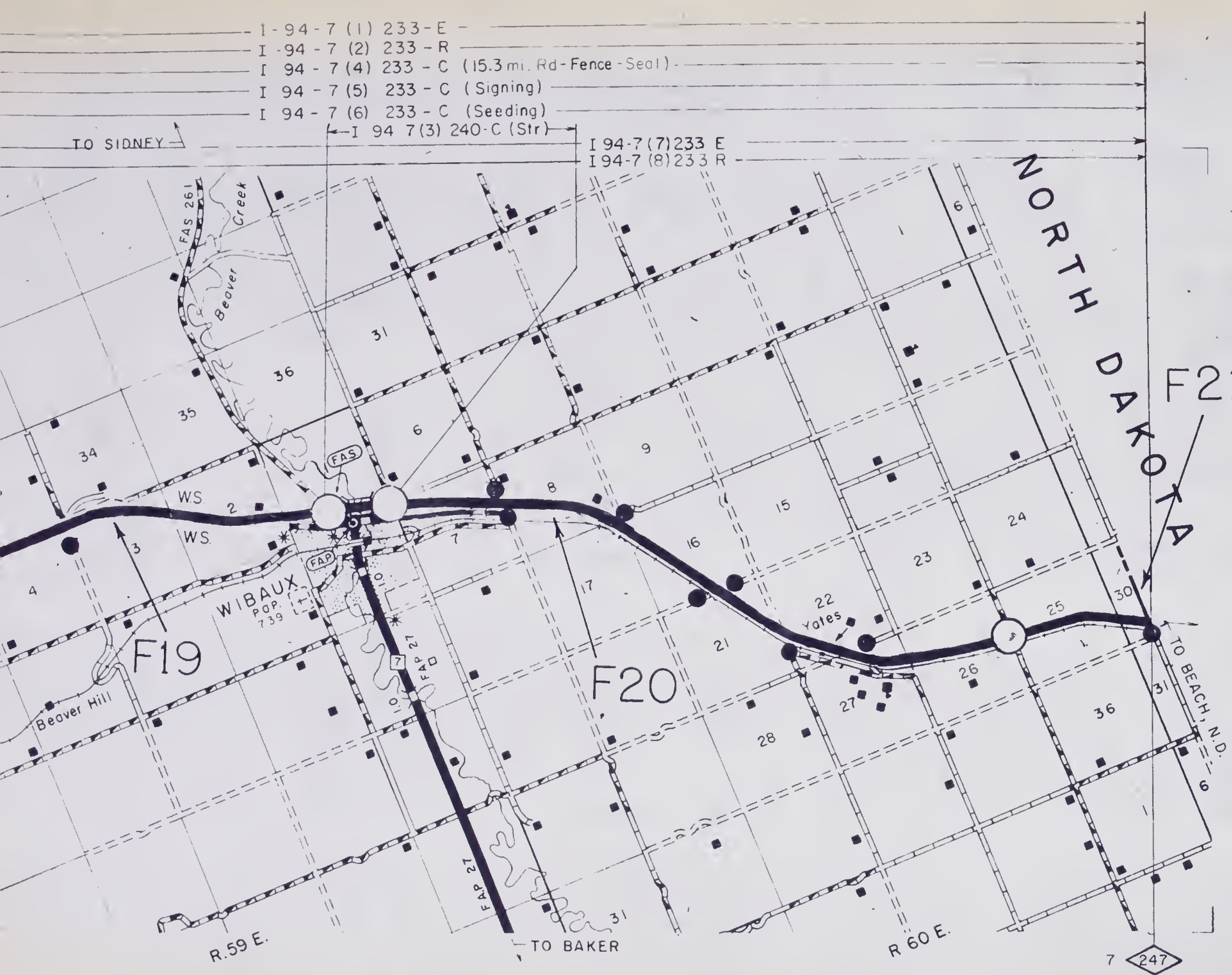


- I 94-6 (5) 221-E
 - I 94-6 (6) 221-R
 - I 94-6 (8) 221-C (12.8 mi. Rd, Str, Fence, Sign)
 - I 94-6 (9) 221-C (Seeding)
 - I 94-6 (15) 216-E

- I 94-7 (1) 233-E
 - I 94-7 (2) 233-R
 - I 94-7 (4) 233-C (15.3 mi. Rd-Fence-Seal)
 - I 94-7 (5) 233-C (Signing)
 - I 94-7 (6) 233-C (Seeding)
 - I 94-7 (3) 240-C (Str)

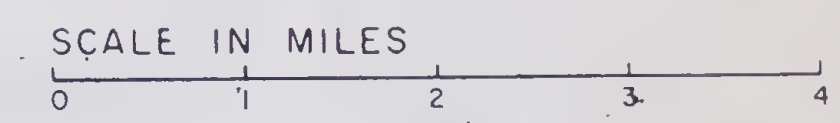


WIBAUX CO



LEGEND FOR INTERSTATE ROUTES

- INTERSTATE LOCATION STEP 4-5
- INTERSTATE LOCATION STEP 1-2-3
- INTERCHANGE
- HIGHWAY GRADE SEPARATION - NO CONNECTION
- RAILROAD GRADE SEPARATION
- COMBINATION HIGHWAY-RAILROAD GRADE SEPARATION
- OTHER BRIDGE
- TUNNEL
- TOLL BRIDGE, TUNNEL, HIGHWAY OR COMBINATION
- FRONTAGE ROAD
- TERMINATED CROSS ROAD
- INTERSECTION AT-GRADE
- URBAN AREA BOUNDARY
- POST MILEAGE
- ROUTE SECTIONS



MONTANA

INTERSTATE ROUTE 94

Sheet 5 of 5

Date October 31, 1969

TABLE B - DESIGN CLASSIFICATION BY ESTIMATE SECTIONS

STATE MONTANA

INTERSTATE ROUTE NO. 115

Sheet 1 of 1 Sheets

ITEM	ESTIMATE SECTION										SUBTOTALS		
	K1.1 K1.2	K1.2 K2									RURAL	URBAN	TOTAL FOR ROUTE
1. Section Length, miles (0.1)	22	22											
2. Class: Rural or Urban (R or U)	0.3	0.9									1.2		1.2
3. Urban Area identification (name and code)	R	R											
4. Location: Existing, new or toll (E, N or T)	E	E											
5. Mileage increment: Code 1, 2, 3 or 4	1	1											
6. Design speed (V)	70	50											
7. Traffic: a. ADT 1967	2184	2184											
b. ADT 1975	4800	4800											
c. ADT 1990	6850	6850											
8. Traffic: a. Design year (19)	88	88											
b. ADT Design year	6550	6550											
c. DHV Design year	770	770											
d. D Directional distribution factors	60	60											
e. T Percent trucks design year (DHV)	8	8											
f. T Percent trucks design year (ADT)	12	12											
g. Assigned Corridor ADT design year													
9. Number of through traffic lanes (Design yr trf)	4	4											
10. Mileage without frontage roads	0.3	0.9									1.2		1.2
11. Mileage with frontage road one side only													
12. Mileage with frontage roads on both sides													
13. Typical cross-section reference	30	30											
14. Right-of-Way Width: Minimum	200	200											
Prevaling	300	300											
15. Median Width: Minimum	12	12											
Prevaling	76	76											

Signature: Louis H. Chilton State Highway Engineer March 1, 1970
State: Montana Name Title Date

BPR: H. Stewart Division Engineer March 1, 1970
Name Title Date

TABLE C - COST ESTIMATE BY ESTIMATE SECTIONS WITH ROUTE TOTALS

STATE MONTANAINTERSTATE ROUTE NO. 115
Sheet 1 of 1 Sheets

ITEM	ESTIMATE SECTION & FINANCE CODE										SUBTOTAL		TOTAL FOR ROUTE
	K1.1 K1.2	K1.2 K2									RURAL	URBAN	
	22	22											
Section Length, miles (0.1)	0.3	0.9									1.2		1.2
Class: Rural or Urban (R or U)	R	R											
Urban Area identification (name and code)													
Location: Existing, new or toll (E, N or T)	E	E											
Mileage increment: Code 1, 2, 3 or 4	1	1											
No. Lanes to be constructed this estimate													
No. Lanes to be improved this estimate													
No. through traffic lanes	4	4											
Status of improvement October 31, 1969	1a(1)f	1a(1)f											
WORK CLASSIFICATION													
1. Preliminary Engineering		1									1		1
2. Right-of-Way													
a. Right-of-Way and acquisition													
b. Relocation payments													
3. Clear & grub; demolition													
4. Utility adjustments													
5. Grade & drain; minor structures													
6. Subbase; base; surfacing; shoulders													
7. R.R. grade separations													
8. Highway grade separations without ramps													
9. Interchanges													
10. Other bridges; tunnels													
11. Walls													
12. Traffic control and safety improvements													
a. Guardrail; fencing; lighting; traffic control devices													
b. Motorist service signs													
c. Safety improvements on completed sections	3	26									29		29
13. Roadside improvement													
a. Erosion Control													
b. Landscaping													
c. Rest Areas													
d. Scenic overlooks													
14. All other items													
15. Subtotal, lines 3 to 14	3	26									29		29
16. Construction Engineering & Contingencies, 10% of Line 15		3									3		3
17. Total Cost of Construction, Lines 15 & 16	3	29									32		32
18. Total Estimate Cost, line 1, 2 & 17	3	30									33		33

Signature: Louis M. Chilton State Highway Engineer March 1, 1970
 State: _____ Name _____ Title _____ Date _____

W. Stewart Division Engineer March 1, 1970
 BPR: _____ Name _____ Title _____ Date _____

TABLE C-1 - COST ESTIMATE AND NUMBER OF STRUCTURES AND REST AREAS
BY ESTIMATE SECTIONS WITH ROUTE TOTALS

STATE MONTANA

INTERSTATE ROUTE NO. 115
Sheet 1 of 1 Sheets

ITEM	ESTIMATE SECTION & FINANCE CODE																								SUBTOTAL		TOTAL FOR ROUTE		
	K1.1	K1.2																											
	K1.1 K1.2	K1.2 K2																											
	22	22																											
Section length, miles (0.1)	0.3	0.9																								1.2		1.2	
Class: Rural or Urban (R or U)	R	R																											
Urban Area identification (name and code)																													
Location: Existing, new or toll (E, N or T)	E	E																											
Mileage increment: Code 1, 2, 3 or 4	1	1																											
No. Lanes to be constructed this estimate	0	0																											
No. Lanes to be improved this estimate	0	0																											
No. through traffic lanes	4	4																											
Status of improvement, October 31, 1969 (PR-511)	1a(1)f	1a(1)f																											
	ESTIMATED COSTS (\$1,000) AND NUMBER OF UNITS AND STRUCTURES																												
Item No. From Table C	WORK CLASSIFICATION																												
	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	Unit	Str	
7. R.R. grade separation - Cost																													
a. No. to be constructed																													
Cost																													
b. No. in service or authorized - to be improved																													
Cost																													
c. No. in service - cost = zero																													
d. No. in authorized status - cost = zero																													
8. Highway grade separations without ramps - Cost																													
a. No. to be constructed																													
Cost																													
b. No. in service or authorized - to be improved																													
Cost																													
c. No. in service - cost = zero			2	3																					2	3		2	3
d. No. in authorized status - cost = zero																													
9. Interchanges - Cost																													
a. No. to be constructed																													
Cost																													
b. No. in service or authorized - to be improved																													
Cost																													
c. No. in service - cost = zero			1	2																					1	2		1	2
d. No. in authorized status - cost = zero																													
10. Other bridges and tunnels - Cost																													
a. No. to be constructed																													
Cost																													
b. No. in service or authorized - to be improved																													
Cost																													
c. No. in service - cost = zero																													
d. No. in authorized status - cost = zero																													
	ESTIMATED COSTS (\$1,000) AND NUMBER OF REST AREAS																												
13c. Rest Areas - Cost																													
a. No. to be constructed																													
Cost																													
b. No. in service or authorized - to be improved																													
Cost																													
c. No. in service - cost = zero																													
d. No. in authorized status - cost = zero																													

Signature: Louis J. Chilton State Highway Engineer March 1, 1970
Name Title Date

H. Stewart Division Engineer March 1, 1970
BPR: Name Title Date

I 15-2 (11) 93-E

I-ING 15-2 (4) 118 -E-R

I 15-2 (12) 123-E-R

INTERSTATE ROUTE 90

I 15-2 (10) 118-C (Signing)

I 15-2 (12) 123-C (3.0 mi Rd-Str)

I 115-2 (3) 126-C

I-IG 15-2 (15) 118-C (Seeding)

I 15-2 (2) 124

I 115-2 (2) 126-C

I 15-2 (25) 118-E

(1.3 mi BST)

(0.3 mi Pd Str-Fence)

I-ING 15-2 (8) 118-C

INTERSTATE ROUTE 90

I-115-2 (4) 126 C

(4.2 mi Rd-Str.)

TO DEER LODGE

TO BROWNS GULCH

TO VICTOR CHEMICAL PLANT

I 15-2 (26) 118-R

G18.3

G19

G20.10

G18.2

G18.1

G17.0.2

G20.11

B10.1

G20.2

B11

G20.2.1

G20.3

B12.1

SILVER BOW CO.

I 15-2 (22) 123U-1C (Rd-Str)

I 15-2 (22) 123U-2C (Fence)

I 15-2 (7) 127-C (Str)

I 15-2 (9) 128-C (Str)

I 15-2 (17) 130-C

I-IG 15-2 (16) 126-C (25 mi Rd Str Fence)

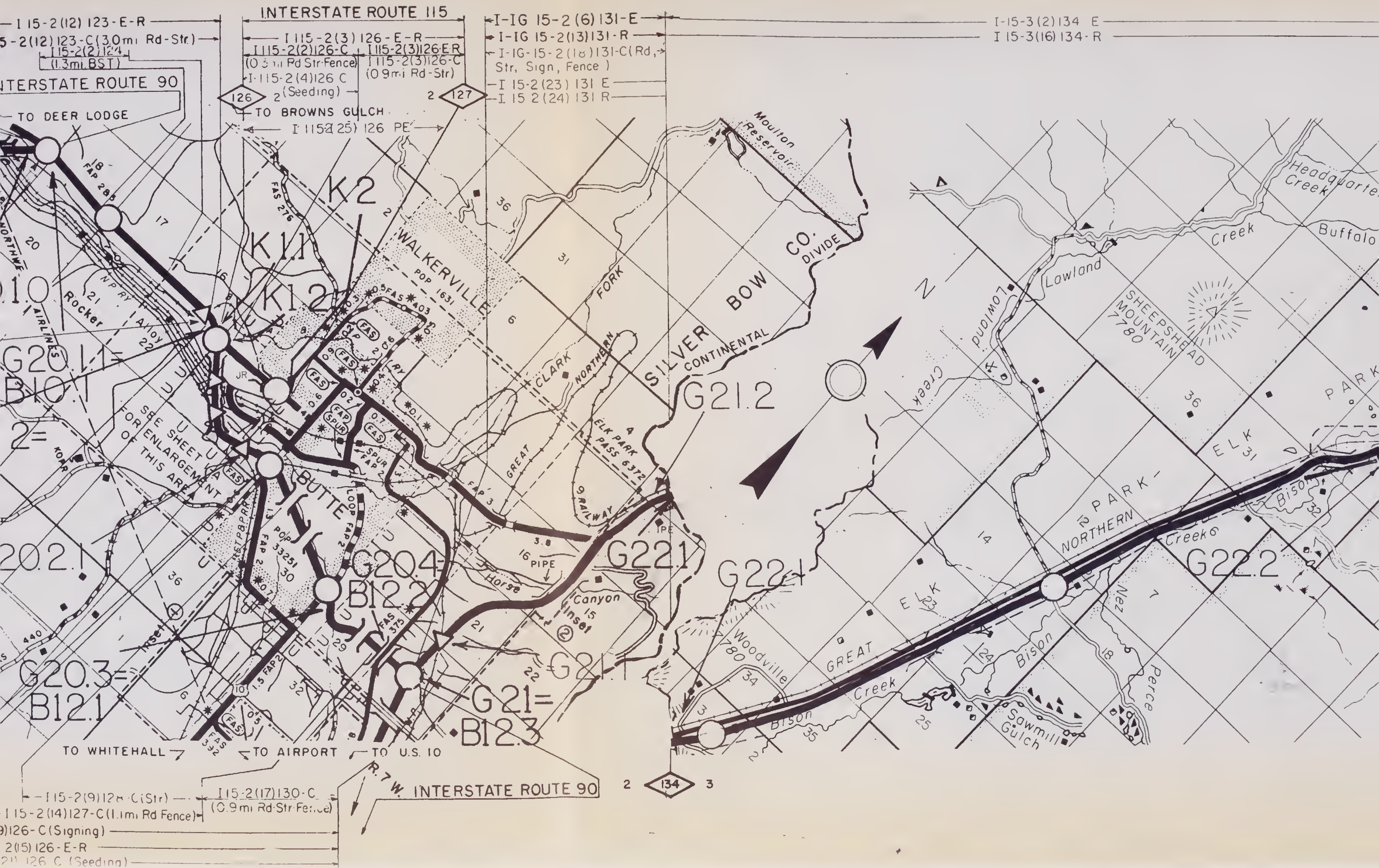
I 15-2 (14) 127-C (1.1 mi Rd Fence)

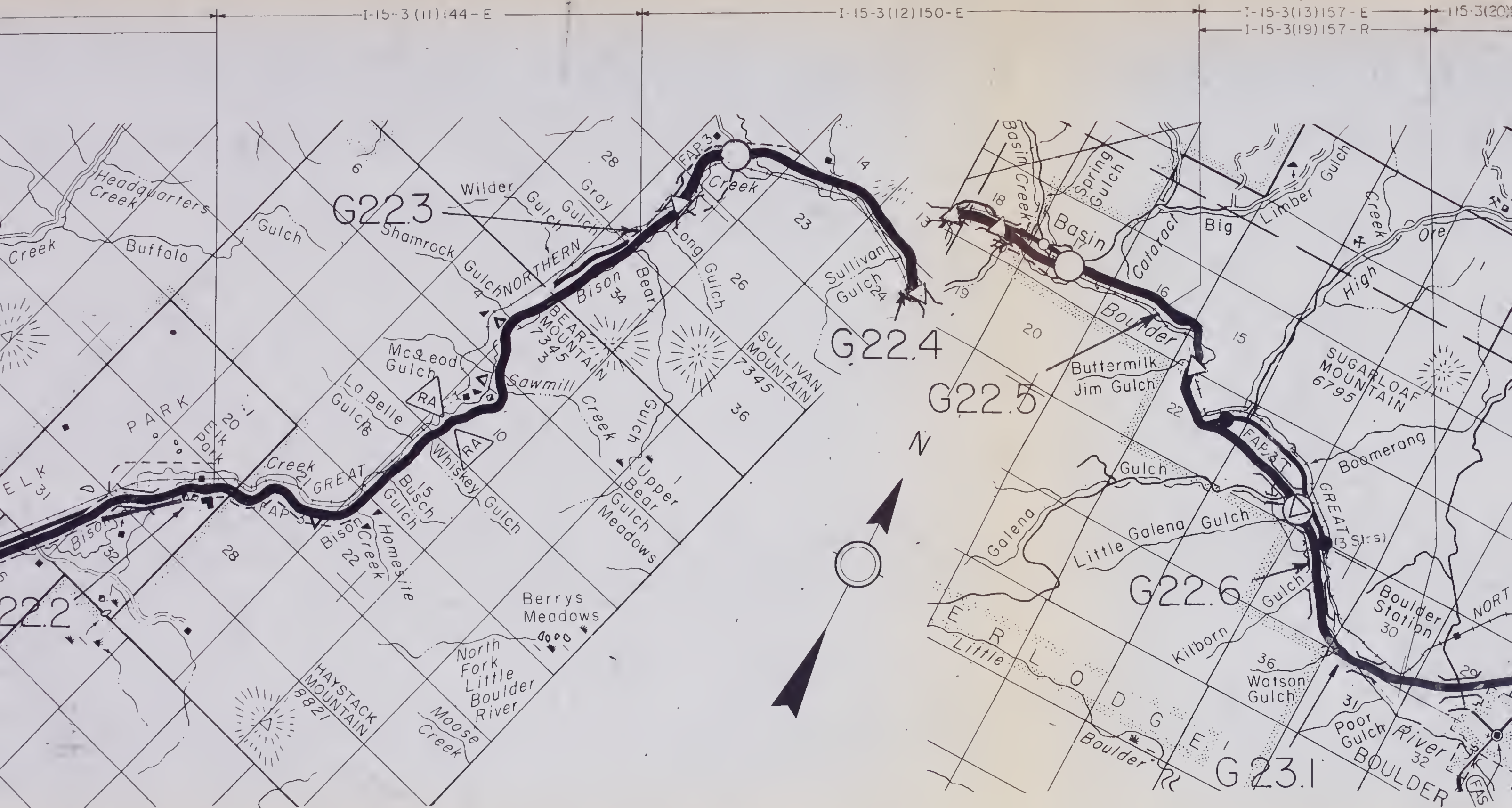
(0.9 mi Rd-Str-Fence)

I 15-2 (19) 126-C (Signing)

I-IG 15-2 (15) 126-E-R

I 15-2 (21) 126-C (Seeding)



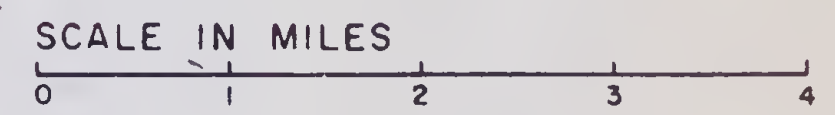


JEFFERSON CO.



LEGEND FOR INTERSTATE ROUTES

- INTERSTATE LOCATION STEP 4 - 5
- INTERSTATE LOCATION STEP 1 - 2 - 3
- INTERCHANGE
- HIGHWAY GRADE SEPARATION - NO CONNECTION
- RAILROAD GRADE SEPARATION
- COMBINATION HIGHWAY-RAILROAD GRADE SEPARATION
- OTHER BRIDGE
- TUNNEL
- TOLL BRIDGE, TUNNEL, HIGHWAY OR COMBINATION
- FRONTAGE ROAD
- TERMINATED CROSS ROAD
- INTERSECTION AT-GRADE
- URBAN AREA BOUNDARY
- POST MILEAGE
- ROUTE SECTIONS



MONTANA

INTERSTATE ROUTE 15
 Sheet 3 of 8
 Date October 31, 1969
 INTERSTATE ROUTE 115
 (COMPLETE ROUTE ON THIS SHEET.)

TABLE B - DESIGN CLASSIFICATION BY ESTIMATE SECTIONS

STATE MONTANA

INTERSTATE ROUTE NO. 315

Sheet 1 of 1 Sheets

ITEM	ESTIMATE SECTION										SUBTOTALS		
	L1 L2	L2 L3									RURAL	URBAN	TOTAL FOR ROUTE
	22	22											
1. Section Length, miles (0.1)	0.3	0.5										0.8	0.8
2. Class: Rural or Urban (R or U)	U*	U*											
3. Urban Area identification (name and code)	357#	357#											
4. Location: Existing, new or toll (E, N or T)	E	E											
5. Mileage increment: Code 1, 2, 3 or 4	1	1											
6. Design speed (V)	50	50											
7. Traffic: a. ADT 1967	6230	6230											
b. ADT 1975	14450	14450											
c. ADT 1990	21350	21350											
8. Traffic: a. Design year (19)	84	84											
b. ADT Design year	18550	18550											
c. DHV Design year	1800	1800											
d. D Directional distribution factors	60	60											
e. T Percent trucks design year (DHV)	7	7											
f. T Percent trucks design year (ADT)	11	11											
g. Assigned Corridor ADT design year													
9. Number of through traffic lanes (Design yr trf)	4	4											
10. Mileage without frontage roads	0.3	0.5										0.8	0.8
11. Mileage with frontage road one side only													
12. Mileage with frontage roads on both sides													
13. Typical cross-section reference	30	30											
14. Right-of-Way Width: Minimum	200	180											
Prevailing	240	200											
15. Median Width: Minimum	20	20											
Prevailing	20	20											

Great Falls
* Section is comparable to a corresponding section in the 1968 Estimate.

Signature: *Louis H. Sullivan*

State: _____

BPR: _____

Name

State Highway Engineer

Division Engineer

Date

March 1, 1970

March 1, 1970

TABLE C - COST ESTIMATE BY ESTIMATE SECTIONS WITH ROUTE TOTALS

STATE MONTANAINTERSTATE ROUTE NO. 315
Sheet 1 of 1 Sheets

ITEM	ESTIMATE SECTION & FINANCE CODE										SUBTOTAL		TOTAL FOR ROUTE
	L1 L2	L2 L3									RURAL	URBAN	
Section Length, miles (0.1)	22 0.3	22 0.5										0.8	0.8
Class: Rural or Urban (R or U)	U	U											
Urban Area identification (name and code)	357#	357#											
Location: Existing, new or toll (E, N or T)	E	E											
Mileage increment: Code 1, 2, 3 or 4	1	1											
No. Lanes to be constructed this estimate													
No. Lanes to be improved this estimate													
No. through traffic lanes	4	4											
Status of improvement October 31, 1969	1a(1)f	1a(1)f											
WORK CLASSIFICATION													
1. Preliminary Engineering													
2. Right-of-Way													
a. Right-of-Way and acquisition													
b. Relocation payments													
3. Clear & grub; demolition													
4. Utility adjustments													
5. Grade & drain; minor structures													
6. Subbase; base; surfacing; shoulders													
7. R.R. grade separations													
8. Highway grade separations without ramps													
9. Interchanges													
10. Other bridges; tunnels													
11. Walls													
12. Traffic control and safety improvements													
a. Guardrail; fencing; lighting; traffic control devices													
b. Motorist service signs													
c. Safety improvements on completed sections	5	7										12	12
13. Roadside improvement													
a. Erosion Control													
b. Landscaping													
c. Rest Areas													
d. Scenic overlooks													
14. All other items													
15. Subtotal, lines 3 to 14	5	7										12	12
16. Construction Engineering & Contingencies, 10% of Line 15	1	1										2	2
17. Total Cost of Construction, Lines 15 & 16	6	8										14	14
18. Total Estimate Cost, line 1, 2 & 17	6	8										14	14

#Great Falls

Signature: Lewis H. Stewart State Highway Engineer March 1, 1970
 State: Montana Name: Lewis H. Stewart Title: Highway Engineer Date: March 1, 1970
 BPR: HN Stewart Division Engineer March 1, 1970
 Name: HN Stewart Title: Division Engineer Date: March 1, 1970

Signature: Louis J. Patterson State Highway Engineer March 1, 1970
State: _____ Name: _____ Title: _____ Date: _____

BPR: H. Stewart Division Engineer March 1, 1970
Name: _____ Title: _____ Date: _____

I-IG-15-4(23)221-R

I-IG-15-4(26)221-C (Rd, Str, Sign, Fence)

I-15-4(32)218-C (Seed)

I-15-4(42)221-E (Slide)

I-15-4(29)227-C Str

I-15-4(28)228-C (Rd, Str, Fen)

I-15-4(41)228-C (Seed)

I-15-4(39)229-C (Str)

I-15-5(35)230 (Strs), 3.1 mi, Gr, Fen

I-15-5(43)230-C (Str)

I-IG-15-5 (21) 230 R

I-15-4(33)229-C (1 mi, Gr, Fen)

I-15-5(25)238-C (Culw)

I-15-5(23)234-C (Rd, Str, Fence)

I-IG-15(33)237-C Str (4.6 mi)

I-15-5(49)234-C (Slope Protection)

TO I 15 - WOLF CREEK

TO AUGUSTA

LEWIS & CLARK CO

CASCADE CO

H4.0.2

H4.0.1

H5

H7.1

H7.2

H6

MISSOURI

R.3 W.

T.15 N. LEWIS & CLARK CO. R.2 W.

AIRLINES

WESTERN

WESTERN

T.16 N. South

North

R.1 W.

4 230 5

I-5 (21) 230 R

I-15-5 (25) 238 C (Culv)

I-15-5 (23) 234 C (Rd, Str, Fence)

I-1G-15 (33) 237 C Str (4.6 mi)

I-15-5 (49) 234 C (Slope Protection)

I-15-5 (13) 239-R

I-15-5 (13) 239-C (9.7 mi Rd-Str-Fence)

I-15-5 (17) 239-C (Signing-Del)

I-15-5 (18) 239-C (Seeding)

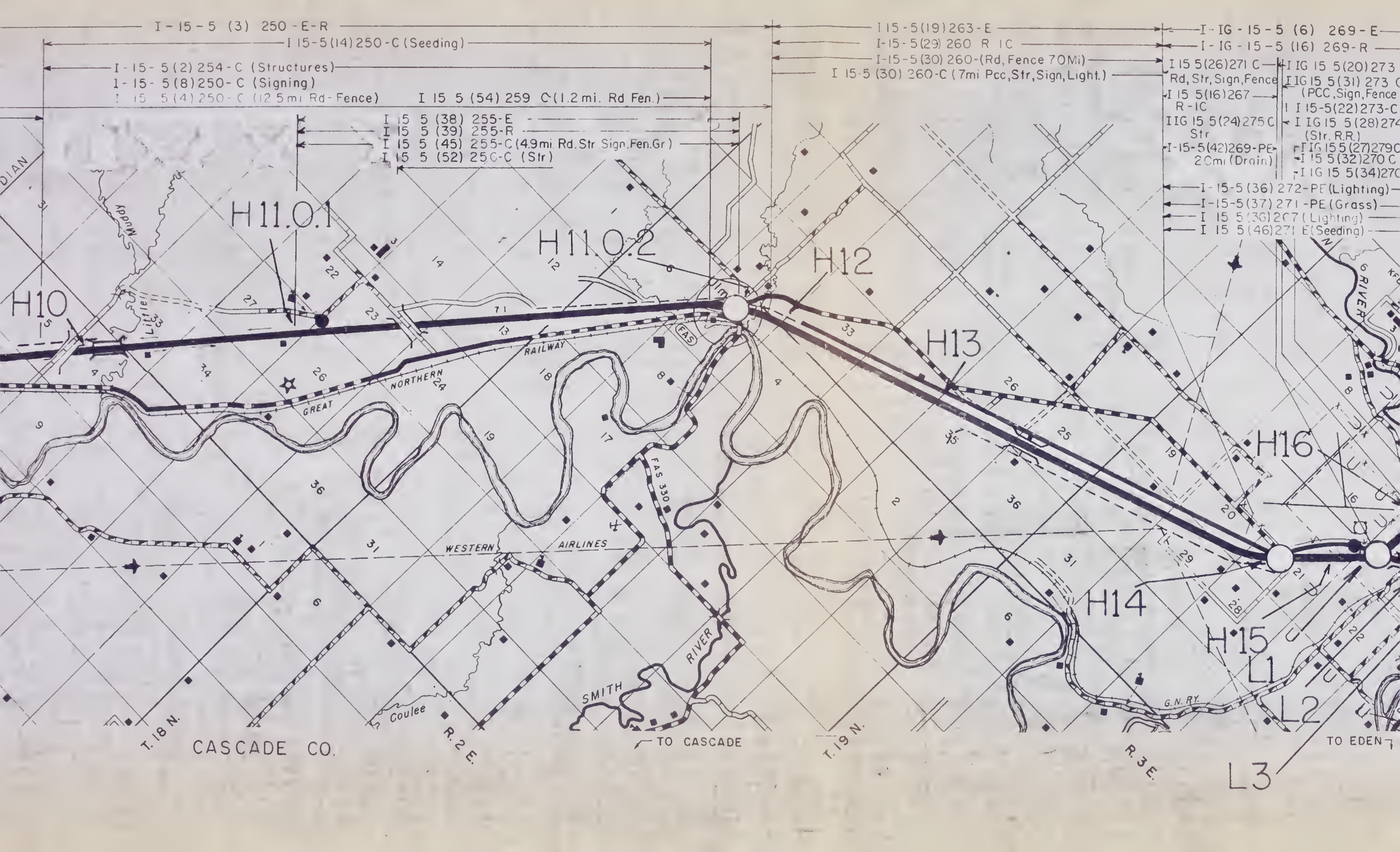
I-15-5 (41) 239-R

I-15-

1-15-

1-15-





I-15-5 (3) 250-E-R

I-15-5 (14) 250-C (Seeding)

I-15-5 (2) 254-C (Structures)

I-15-5 (8) 250-C (Signing)

I-15-5 (4) 250-C (12.5 mi Rd-Fence)

I-15-5 (54) 259-C (1.2 mi. Rd Fen.)

I-15-5 (38) 255-E

I-15-5 (39) 255-R

I-15-5 (45) 255-C (4.9 mi Rd. Str. Sign. Fen. Gr.)

I-15-5 (52) 256-C (Str)

I-15-5 (19) 263-E

I-15-5 (29) 260 R IC

I-15-5 (30) 260-(Rd, Fence 70 Mi)

I-15-5 (30) 260-C (7 mi Pcc, Str, Sign, Light.)

I-IG-15-5 (6) 269-E

I-IG-15-5 (16) 269-R

I-15-5 (26) 271 C

Rd, Str, Sign, Fence

I-15-5 (16) 267

R-IC

I-IG-15-5 (24) 275 C

Str

I-15-5 (42) 269-PE

20 mi (Drain)

I-IG-15-5 (20) 273

(PCC, Sign, Fence)

I-IG-15-5 (31) 273 C

I-IG-15-5 (22) 273-C

(Str, R.R.)

I-IG-15-5 (28) 274

I-IG-15-5 (27) 279 C

I-15-5 (32) 270 C

I-IG-15-5 (34) 270

I-15-5 (36) 272-PE (Lighting)

I-15-5 (37) 271-PE (Grass)

I-15-5 (36) 267 (Lighting)

I-15-5 (46) 271 E (Seeding)

H11.0.1

H11.0.2

H12

H13

H16

H14

H15

L1

L2

L3

DIAN

H10

RAILWAY

NORTHERN

GREAT

WESTERN

AIRLINES

FAS 330

RIVER

SMITH

TO CASCADE

G.N. RY.

TO EDEN

CASCADE CO.

TABLE D - COST ESTIMATE BY ROUTES AND STATE TOTAL

STATE MONTANA

Interstate Route Number	I-15		I-90		I-94		I-115		I-315		Subtotals		Totals
Class: Rural or Urban (R or U)	Rural	Urban	Rural	Urban	Rural	Urban	Rural	Urban	Rural	Urban	Rural	Urban	
Length, miles	386.4	9.0	527.1	15.3	245.2	3.4	1.2	-0-	-0-	0.8	1159.9	28.5	1188.4
WORK CLASSIFICATION													
1. Preliminary Engineering	621	35	1331	35	120	2	1				2073	72	2145
2. Right-of-way													
a. Right-of-way and acquisition	2196		2358		1789						6343		6343
b. Relocation payments	15		79		126						220		220
3. Clear & Grub; demolition	1053		2282								3335		3335
4. Utility Adjustments	657		1959		374						2990		2990
5. Grade & drain; minor structures	50074		57963	24	23081						131118	24	131142
6. Subbase; base; surfacing; shoulders	32151		42445	284	19038						93634	284	93918
7. R.R. grade separations	5418		4361		529						10308		10308
8. Highway grade separations without ramps	2748		3346		2063						8157		8157
9. Interchanges	10737		11633	21	5349	42					27719	63	27782
10. Other bridges; tunnels	5398		18434		4545						28377		28377
11. Walls			63								63		63
12. Traffic Control and safety improvements													
a. Guardrail; fencing; lighting; traffic control devices	4317		5692		2181						12190		12190
b. Motorist service signs													
c. Safety improvements on completed sections	1563	272	2014	255	729		29			12	4335	539	4874
13. Roadside improvement													
a. Erosion Control	1754		1902		1397						5053		5053
b. Landscaping		333	125	92							125	425	550
c. Rest areas	979		2132		662						3773		3773
d. Scenic overlooks	25		50								75		75
14. All other items	3021		2713		812						6546		6546
15. Subtotal, lines 3 to 14	119895	605	157114	676	60760	42	29			12	337798	1335	339133
16. Construction Engineering & Contingencies 10% of Line 15	11995	62	15720	68	6079	4	3			2	33797	136	33933
17. Total Cost of Construction, Lines 15 and 16	131890	667	172834	744	66839	46	32			14	371595	1471	373066
18. Total Estimated Cost, Lines 1, 2 & 17	134722	702	176602	779	68874	48	33			14	380231	1543	381774
19. Route Total, Rural plus Urban	135424		177381		68922		33			14			381774

Signature: Lewis H. Sullivan State Highway Engineer March 1, 1970
 State: _____ Name Title Date
H. M. Stewart Division Engineer March 1, 1970
 BPR: _____ Name Title Date

TABLE E - WORK EXPECTED TO BE FINANCED WITH FUNDS OTHER THAN

FEDERAL-AID INTERSTATE AND STATE MATCHING FUNDS

(Items under Finance Code Numbers 12, 13 and 24, Table C)

STATE MONTANA

Specific Source of Funds	Interstate Route Number	Estimate Section	Work Class	Rural or Urban	Estimated Cost From Table C (1,000 Dollars)
None	None	None	None	None	None
Subtotals:					
a- Other Federal Funds					
b- Other Public Funds					
c- Bond Financing					
Total					

Signature: Louis H. Sullivan

State: Montana

BPR: HN Stewart

State Highway Engineer

Division Engineer

March 1, 1970

March 1, 1970

Date

Date

TABLE E-1 COST OF INTERSTATE BOND PROJECTS

AND ACI PROJECTS

(Projects completed or in authorized status as of January 1, 1969)

STATE MONTANA

INTERSTATE ROUTE	ESTIMATE SECTION	PROJECT NO.	WORK CLASS	Rural or Urban	Actual or Estimated Project Costs		Total Cost
					Federal (I) Funds	State Matching	
None	None	None	None	None	None	None	None
TOTALS							

The above projects are not included in Table C or Table D.

Signature: Lewis J. Cullen State Highway Engineer March 1, 1970
State: _____ Name _____ Title _____ Date _____

H. Stewart Division Engineer March 1, 1970
BPR: _____ Name _____ Title _____ Date _____

